

AGAD 227, 615 Mitch Daniels Blvd.  
West Lafayette, IN 47907  
Phone (765) 494-8492, E-mail [quesada@purdue.edu](mailto:quesada@purdue.edu)

**Henry J. Quesada**  
ORCID PROFILE <https://orcid.org/0000-0002-3021-0215>

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### SUMMARY

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- Academic leadership and administrative experience
    - Since 2022. Assistant Director of Extension and Agriculture and Natural Resources (ANR) program leader. College of Agriculture, Purdue University
      - Overseeing of ANR field Extension (85.5 FTEs ~ \$7.3 million budget). Also includes strategic support to over 125 ANR campus Extension specialists.
    - 2010-2022. Assistant/Associate Director of the Center for Forest Products Business at Virginia Tech.
      - Strategic planning, research and development, membership management, and manage communication with members and other stakeholders.
    - 1996-1998. Inventory Control and Plant Manager at La Nacion Group in Costa Rica.
      - Scheduling, inventory control, and overseeing of 110 staff members
    - Over 25 consulting engagements, including Best Pallet, Winston and Strawn LLP, USDA-FAS, Rainforest Alliance, Rhine Law Firm, P.C, and Holcim PC.
  - Academic scholarship: 27 years of experience in higher education
    - Development of international extension program in continuous improvement, new product, and new markets development in support of the forest products industry
    - Teaching: business management, automation, supply chain management, statistics, operations research, and data analytics. Student evaluations of 5.4/6.0. Mentorship of 20 graduate students (4 at PhD level) as Chair.
    - Principal investigator (PI) in 52 of 66 competitive external (45), internal (18) and in-kind (3) funded projects, including federal agencies such as the USDA/FS, USDA/FSMIP, USDA/FAS, NSF, DOE and USDA/NIFA. Total grantsmanship as PI and CO-PI is \$6.9 million.
    - Outreach and Extension: 59 peer-reviewed publications, 134 workshops (over 5,000 in attendance), 29 extension/trade publications, and 124 presentations and posters in conferences,
  - Professional service (selected)
    - 2022-2023. President of the Society of Wood Science and Technology (SWST)
    - Board and editorial positions such as Consortium for Research on Renewable Industrial Materials (CORRIM), SWST, Bioproducts Business Journal
    - Voting member of the APA PRG-320, cross-laminated timber standard performance code
    - 2010-2018. Coordinator of IUFRO Division 5.04.13 group.
  - Awards and recognitions: 2021 Virginia Tech Provost Leadership Program, 2020 SWST President-elect, 2018 Expert Witness, 2017 SREF extension Award, 2014 Teacher of the Week, 2011 Scholar of the Week, 2007 Best Research Proposal at Costa Rica Tech, 2006 Outstanding Professor at Costa Rica Tech, 2005 US Department of Commerce eBusiness Fellowship.
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## EDUCATION

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Purdue University, West Lafayette, Indiana August  
**Doctor of Philosophy (Ph.D.) in Wood Products Technology** 2004

*Dissertation:* Competitiveness of the U.S. Furniture Industry.

*Specialization:* Benchmarking, Operations/Production Management, Supply Chain Management, and Quantitative methods.

*Other areas of interest:* CAD/CAM, Automation, Information Systems, Total Quality Management, and Lean Manufacturing.

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Purdue University, West Lafayette, Indiana August  
**Master of Science (M.Sc.) in Wood Products Technology** 2001

*Thesis:* Design of a Manufacturing System for the Construction of School Furniture.

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Instituto Tecnológico de Costa Rica (Costa Rica Tech), Costa Rica February  
**Bachelor of Science (B.Sc.) in Production Industrial Engineering** 1997

*Graduation project:* Design of a Cost Accounting Information System.

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## ACADEMIC APPOINTMENTS

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Purdue University, West Lafayette, IN February  
**Assistant Director of Extension and Agriculture and Natural Resources Program** 2022-  
**Leader.** College of Agriculture. present

- Strategic planning, communication, grantsmanship, human resource management, budget management, and relationship development for the ANR program at Purdue Extension.

**Professor and Extension Specialist.** Department of Forestry and Natural Resources.

- Supply Chain Management, Product and Market Development, Continuous Process Improvement in support of the renewable-based materials industries

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Virginia Polytechnic Institute and State University, Blacksburg, VA July 2020-  
**Professor** 2022

Extension, Research and Teaching at the Department of Sustainable Biomaterials.

Extension

- Support the competitiveness of wood and forest products industry in Virginia and beyond through outreach and educational activities.

Research

- Mass timber product markets
- Thermally modified wood markets
- Supply Chain issues in the Construction Industry
- Data mining and data analytics
- Life Cycle Assessment

Teaching

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- SBIO 3464 Sustainable Operations Management: Class focus on Strategic, Financial, Human resources and Ethic and Relationships issues for wood products industries.
  - SBIO 5614 Forest Products Marketing and Management Strategies
  - SBIO 3954. Global Issues in Sustainability. Study abroad course traveling to Costa Rica and focus on wood products manufacturing, forestry, water management, and ecotourism

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Virginia Polytechnic Institute and State University, Blacksburg, VA  
**Associate Professor**

July 2014-  
June 2020

Research, Extension, and Teaching at the Department of Sustainable Biomaterials.

*Research*

- Lean Management
- Sustainable Manufacturing Systems
- Supply Chain Management Optimization
- Strategic Marketing for International Markets

*Extension*

- Assist the VA primary and secondary wood products industry

*Teaching*

- SBIO 3464 Forest Products Business Systems: Class focus on Strategic, Financial, Human resources and Ethic and Relationships issues for wood products industries.
- SBIO 5614 Forest Products Marketing and Management Strategies
- SBIO 3954. Global Issues in Sustainability. Study abroad course traveling to Costa Rica and focus on wood products manufacturing, forestry, water management, and ecotourism

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Virginia Polytechnic Institute and State University, Blacksburg, VA  
**Assistant Professor**

August  
2008-June  
2014

Research, Extension, and Teaching at the Department of Sustainable Biomaterials

*Research*

- Product Engineering
- Manufacturing Systems
- Innovation processes
- International marketing
- Environmental impact of renewable materials
- Logistics and Supply Chain Management

*Extension*

- Assist the \$25 billion VA wood products industry in addressing manufacturing and business management issues in order to increase their levels of competitiveness

*Teaching*

- SBIO 3464 Forest Products Business Systems: Class focus on Strategic, Financial, Human resources and Ethic and Relationships issues for wood products industries.
  - SBIO 3954. Global Issues in Sustainability. Study abroad course traveling to Costa Rica and focus on wood products manufacturing, forestry, water management, and ecotourism
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- SBIO 5614. Forest Products Marketing and Management. Graduate level class that covers advanced business and marketing topics with focus on forest-based industries

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Instituto Tecnológico de Costa Rica (Costa Rica Tech), Cartago, Costa Rica  
**Associate Professor**

August  
 2004-July  
 2008

Research and Teaching at the School of Industrial Production Engineering.

*Research*

- Supply Chain Management
- Innovation Process
- Automation
- Manufacturing Systems

*Teaching*

- Bachelor Level
  - (PI 5402) Manufacturing Automation. Introduction to Automation, CNC, CAD and CAM software utilization. Also, cell manufacturing, lean manufacturing.
- Master Engineering Level
  - (MM-1102). Flexible Manufacturing Systems. Application of PLC, Robotics, CAD-CAM and CNC. Master Level
  - (MM-1402). Productivity and Quality: Introduction to new master student program to lean concepts, quality systems, and supply chain issues.
  - (MM-2408) Process Redesign. Analysis of manufacturing processes considering valued-added activities.

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Purdue University, West Lafayette, IN  
**Graduate Research Assistant**

January  
 2000-  
 August  
 2004

- Teaching of FNR 484 and FNR 425. Design for CNC Manufacturing. Use of CAD and CAM software for product development and product manufacturing. Operation of CNC router.
- Design and Development of a Total Quality Management tool for defining Company Strategy based on Critical Success Factors.
- Performing of several Quantitative Analysis Researches for US Furniture Industry.
- Diagnosis, Analysis and Recommendation of Solutions for several Furniture Manufacturing Plants at the Operation Management Level.
- Design, Development and Implementation of a Manufacturing System for Construction of School Furniture.
- Development of an Optimization Module for a Rough Mill's Cutting Bill using Linear Optimization.
- Development of an Information System for Rough Mill Analysis in Visual Basic.
- Assisting faculty members in research projects, extension activities, and class material preparations.

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Instituto Tecnológico de Costa Rica (Costa Rica Tech), Cartago, Costa Rica  
**Instructor**

July 1998-  
 December  
 1999

Teaching at the School of Industrial Production Engineering.

*Teaching*

Bachelor Level

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- (PI 2603) Statistics I and (PI 3604) Statistics II: Introduction to Probability and application of Statistics to solve Business and Manufacturing Applications
- (PI 3402) Computational Algorithms for Business and Manufacturing I: Use of programming software such as Visual Basic to develop Solutions for Business and Manufacturing Applications.
- (PI 3403) Management of Information Systems: Introduction to MIS, Conceptualization of Models. Introduction, development, and implementation of IS.
- (PI 5402) Manufacturing Automation. Introduction to Automation, CNC, CAD and CAM software utilization, cell manufacturing, and lean manufacturing.
- (PI 4307) Statically Quality Control: TQM tools, Qualitative Data Analysis, Statistical Process Control and Sampling.

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### PROFESSIONAL EXPERIENCE

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Mail Inc. Co., Lafayette, Indiana <b>System Analyst/Programmer</b> <ul style="list-style-type: none"> <li>• Designed, developed and implemented an Automatic Billing System</li> <li>• Designed and developed a module to control truck routes for mail delivery</li> <li>• Designed and developed a module to verify correctness of mail weight.</li> </ul>	May 2000- November 2000
La Nacion Group, Costa Rica <b>Plant Manager</b> <ul style="list-style-type: none"> <li>• Directly supervised more than 100 plant workers.</li> <li>• Development of Incentive Systems for plant workers. Based on early job completion and material savings.</li> <li>• Implementation of Tracking System Software for Production Control. On time deliveries went up from 85% to 95%.</li> <li>• Improvement of the Plant Scheduling System. Cycle time was reduced from 2 week to 1 week.</li> <li>• Design of a Quality Control System.</li> <li>• Creation of Departmental Supervising Positions.</li> <li>• Design, Development and Implementation of an Inventory Control System.</li> </ul>	July 1996- July 1998

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### CONSULTING EXPERIENCE

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Pinnacle Pallets <ul style="list-style-type: none"> <li>• Process Improvement</li> </ul>	July 2023
Green Mountain Firewood <ul style="list-style-type: none"> <li>• Business planning and strategic direction</li> </ul>	2021 to date
Rhine Law Firm, P.C <ul style="list-style-type: none"> <li>• Technical report on imports of plywood</li> </ul>	March 2021
White & Company LLC <ul style="list-style-type: none"> <li>• Technical translation of software Best Pallet</li> </ul>	2017
Winston & Strawn <ul style="list-style-type: none"> <li>• Technical report on cost of sorting, staking, and storing pooled pallets</li> </ul>	July 2016 to October 2018
USDA/FAS <ul style="list-style-type: none"> <li>• Review of the US Hardwood Industry for Cochran Fellows</li> </ul>	December 2015
PeaceWorks <ul style="list-style-type: none"> <li>• Financial Management Training. Orange Walk, Belize</li> </ul>	December 2013

Virginia Forest Products Association	November 2013
<ul style="list-style-type: none"> <li>Lumber Grading Training. Virginia, USA</li> </ul>	
La Nacional	April 2012
<ul style="list-style-type: none"> <li>Lean Management Training. Dominican Republic</li> </ul>	
Intras	2011 to date
<ul style="list-style-type: none"> <li>Lean Management Training. Dominican Republic</li> </ul>	
USDA/FAS	August 2010
<ul style="list-style-type: none"> <li>Value Chain Analysis of Forest Industries in Mexico</li> </ul>	
Army Force Research Laboratories	July 2010
<ul style="list-style-type: none"> <li>Lean thinking basics workshop</li> </ul>	
Rainforest Alliance, New Jersey, U.S.A. (NGO)	2005-2008
<ul style="list-style-type: none"> <li>Secondary Wood Products Specialist. Project leader in Honduras, Guatemala and US (work-shop material) on Supply Management Issues</li> </ul>	
Fundatec	2004-to date
<ul style="list-style-type: none"> <li>Serve as an Adjunct Professor for the Engineering Master Program in Flexible Manufacturing Systems</li> <li>Registered as Consultant for Training and research of SME</li> <li>Several workshops in Lean Management and Business Process management</li> </ul>	
Holcim PC	2007
<ul style="list-style-type: none"> <li>Integrated diagnostic for manufacturing facility of heavy concrete structures</li> </ul>	
BDConsultores (Siebel CRM Representatives in Costa Rica)	2006
<ul style="list-style-type: none"> <li>Process Redesign for the Costa Rican Telecommunication Company.</li> <li>Training and Workshops for Financial SMEs on Six sigma and Lean Thinking</li> </ul>	
Costa Rica Foreign Trade Corporation (PROCOMER)	2006
<ul style="list-style-type: none"> <li>Quantification of Purchases of Goods and Services of Transnational Companies</li> <li>Training and Workshops on Lean Thinking for SMEs for 250 companies</li> </ul>	
Faber Castell (Large Company)	2006
<ul style="list-style-type: none"> <li>Automation of Secondary Wood Processing Equipment for Pencil Manufacturing</li> </ul>	
Grupo Laurel, Cartago, Costa Rica (SME)	2006
<ul style="list-style-type: none"> <li>Strategic Road Map of a Primary and Secondary Wood Products Company.</li> </ul>	
Gozaka, San José, Costa Rica (SME)	2006
<ul style="list-style-type: none"> <li>Improvement of Production and Manufacturing Systems of an Off-set printing Company.</li> </ul>	
PCI Rojas & Madrigal, San Carlos, Costa Rica (SME)	2006
<ul style="list-style-type: none"> <li>Process Redesign and Layout Configuration of an Agribusiness Packaging Plant.</li> </ul>	
Flexsteel, Santa Clause, Indiana, U.S.A. (Large Company)	2004
<ul style="list-style-type: none"> <li>Enhancement of Assembly Line of TV Cabinets</li> </ul>	
Borkholder Company, Napanee, Indiana, U.S.A. (Large Company)	2001

- Analysis of Plant Capacity based on Work in Process Inventory for a Solid Furniture Producer

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**HONORS AND AWARDS**

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<i>Virginia Tech, Office of the Provost</i>	2021
<ul style="list-style-type: none"> <li>• Academic Leadership Program</li> </ul>	
<i>Society of Wood Science and Technology</i>	2020
<ul style="list-style-type: none"> <li>• Elected Vice-president. Transitioning to President-elect, President, and Past-President</li> </ul>	
<i>US District Court for the Northern District of Illinois</i>	2018
<ul style="list-style-type: none"> <li>• <i>Expert witness Peco Pallet CO. vs Northwest Pallet Supply CO.</i></li> </ul>	
<i>Association of Southern Regional Extension Directors</i>	2017
<ul style="list-style-type: none"> <li>• Southern Regional Extension Forestry Extension Award. Online Book Chapter Category with a Bronze Distinction.</li> </ul>	
<i>Virginia Tech</i>	2014
<ul style="list-style-type: none"> <li>• <i>Teacher of the week</i> Nomination by the Center for Instructional Development and Educational Research in recognition for outstanding teaching effectiveness</li> </ul>	
<i>Virginia Tech</i>	2011
<ul style="list-style-type: none"> <li>• <i>Scholar of the week.</i> Recognition for outstanding research in the area of renewable materials and continuous improvement</li> </ul>	
<i>Costa Rica Tech</i>	2007
<ul style="list-style-type: none"> <li>• <i>Best Research Proposal</i> Internal research competition at the Vice-Rectorry of Research and Extension.</li> </ul>	
<i>Costa Rica Tech</i>	2006
<ul style="list-style-type: none"> <li>• <i>Outstanding Professor.</i> Acknowledgment for outstanding performance as teacher and researcher for the Bachelor and Master degree program at the School of Production Engineering</li> </ul>	
<i>USA Department of Commerce's E-business Fellow.</i>	2005
<ul style="list-style-type: none"> <li>• Information Technologies for Small and Medium Enterprises and their Relationship with Supply Chain Management Issues Washington, DC; Seattle, WA, San Ana, CA. USA.</li> </ul>	
Purdue University	2000-2004
<ul style="list-style-type: none"> <li>• <i>Graduate research assistantship</i>, MS and Ph.D. in Wood Products Technology</li> </ul>	
<i>Society of Wood Science and Technology</i>	2003
<ul style="list-style-type: none"> <li>• <i>First place in student poster Competition</i></li> </ul>	
<i>Seeburguer Scholarship, Purdue University</i>	2000-2001
<ul style="list-style-type: none"> <li>• M.Sc. in Wood Products Technology</li> </ul>	
<i>Gamma Sigma Delta (Honor Society)</i>	2002t

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<ul style="list-style-type: none"> <li>• Purdue University, West Lafayette, IN</li> </ul> <p>Membership in recognition of high scholarship, outstanding achievement and service</p>	
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<p><i>Bill and Helen Swain Forest Wood Products Award</i></p> <ul style="list-style-type: none"> <li>• Purdue University, West Lafayette, IN</li> </ul> <p>Membership in recognition of high scholarship, outstanding achievement and service</p>	2001-2004
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<p><i>Taiwan Technical Cooperation Program Fellowship</i></p> <ul style="list-style-type: none"> <li>• Precision Machinery Training Kaohsiung, Taiwan.</li> </ul>	1998
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<p><i>Full Scholarship</i>, Instituto Tecnológico de Costa Rica</p> <ul style="list-style-type: none"> <li>• BS in Industrial Production Engineering</li> </ul>	1993-1996

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### **RESEARCH PROPOSALS FUNDED**

More than **\$US 6.9 million** in sponsored research, and in-kind contributions since 2004 as PI and CO-PI.

1. Expand markets for climate-smart corn, soybeans, sugar beets, and wheat in the Midwest and support farmer implementation and monitoring of climate-smart practices.  
 Quesada, H.  
 Sponsor: Iowa Soybean Association  
 Amount: \$43,000  
 October 1, 2024-March 20, 2028
  
  2. Support for Digital Agriculture  
 Quesada, H.  
 Sponsor: Indiana Soybean Alliance and Indiana Corn Marketing Council  
 Amount: \$25,000  
 January 1, 2024-December 31, 2028
  
  3. Indiana Wood Utilization Team  
**Quesada, H.**, Gazo, R., Haviarova, E. and Farlee, L.  
 Sponsor: US Forest Service/Wood Innovation Grants (USFS 24-DG-11094200-298)  
 Amount: \$294,036  
 October 1, 2024-September 30, 2028
  
  4. Support for Purdue on-the Farm program  
 Quesada, H.  
 Sponsor: Purdue Pesticide Programs  
 Amount: \$25,000  
 June 1, 2023-May 31, 2025
  
  5. Support for Digital Agriculture Program  
 Quesada, H.  
 Sponsor: Purdue Pesticide Programs  
 Amount: \$70,000  
 June 1, 2024-May 31, 2026
  
  6. Basic Research Agreement  
 Kladvko, E. and **Quesada, H.**  
 Amount: \$796,999  
 Sponsor: Indiana Association of Soil and Water Conservation Districts
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December 1, 2023-November 30, 2027

7. Expanding Regional Economic and Livestock Integration Soil Health Information and Resources.  
**Quesada, H.** and Sell, W.  
Sponsor: Michigan State University (sub-award)  
Amount: \$20,000  
October 1, 2023- September 30, 2026
  8. MSU and Purdue Irrigation Partnership Agreement.  
Quesada, H.  
Sponsor: Michigan State University  
Amount: \$60,337.48  
October 1, 2023-September 30, 2024
  9. MSU and Purdue Irrigation Partnership Agreement.  
Quesada, H.  
Sponsor: Michigan State University  
Amount: \$52,325.20  
October 1, 2022-September 30, 2023
  10. Sustainability Project Manager Grant  
Quesada, H.  
Sponsor: Indiana Soybean Alliance and Indiana Corn Marketing Council  
Amount: \$57.263  
January 1, 2023-December 31, 2023
  11. Sustainability Project Manager Grant  
Quesada, H.  
Sponsor: Indiana Soybean Alliance and Indiana Corn Marketing Council  
Amount: \$57.263  
January 1, 2022-December 31, 2022
  12. Indiana SARE plan of work 2023-2024  
Quesada, H.  
Sponsor: USDA/Sub-award from the University of Minnesota  
Amount: \$140,000  
January 1, 2023-December 31, 2024
  13. Building Institutional Support to Increase Farm Viability of Indiana's Beginning Farmers  
Quesada, H.  
Sponsor: USDA/Sub-award from the University of Minnesota (H007813909)  
Amount: \$89,951  
October 1, 2023-September 30, 2024
  14. Indiana PDP State Plan of Work, Calendar Years 2021-2022  
Quesada, H.  
Sponsor: USDA/Sub-award from the University of Minnesota  
Amount: \$130,000  
January 1, 2021-December 31, 2023
  15. Eliminating marketing barriers to support the transition from methyl bromide fumigation to vacuum and steam treatment technology: The Case for Export Logs."  
**Quesada, H.**, Smith, R. and Chen, Z.  
Sponsor: USDA/AMS  
Amount: \$491,710
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October 1, 2021-September 30, 2024

16. A+CA Webinar Series: Mass Timber Use in Building Construction, Architecture of Construction Alliance, Hindman, D. Bond B; **Quesada H.** and Mills T.  
Sponsor: A+CA  
Amount: \$2,500  
August 1, 2021-July 31, 2022
17. Expanding Markets for timber industrial mats manufactured from hardwood species and cross-laminated timber (CLT).  
**Quesada, H.**  
Subcontract: Mississippi State University (Sponsor is USDA Wood Innovation Grants \$206,125)  
Amount: \$7,000  
August 1, 2021-September 30, 2023
18. Increasing hardwood utilization in the cross-laminated timber market.  
**Quesada, H.J.**, and Bond, B.  
Sponsor: USDA Wood Innovations Grant  
Amount: \$268,567  
August 1, 2020-September 30, 2022
19. Part II of Expanding Markets for Thermally-modified Wood Products Produced from Low-value Hardwood Species  
**Bond, B.**, Quesada, H., and Espinoza, O.  
Sponsor: USDA Wood Innovations Grant  
Amount: \$95,846  
August 1, 2020-September 30, 2021
20. Evaluating Vacuum and Steam Heat as a Methyl Bromide Alternate Phase II Control of Pinewood Nematode in Pine And Oak Wilt in White Oak Logs. Chen, Z. Eisenback, J., **Quesada, H.J.**, and White, M.  
Sponsor: USDA/NIFA  
Amount: \$453,683  
August 1, 2019-September 30, 2021
21. Multi-State Effort to Overcome Barriers to Low-value Hardwood Lumber for CLT Manufacture. **Quesada, H.J.**, Bond, B., and Haviarova, E.  
Sponsor: USDA Wood Innovations Grant  
Amount: \$249,765  
August 1, 2019 – July 31, 2021
22. Expanding Markets for Thermally-modified Wood Products Produced from Low-value Hardwood Species. **Quesada, H.J.**, and Bond, B.  
Sponsor: USDA Wood Innovations Grant. USFS 18-DG-11083150-005  
Amount: \$123,243  
July 1, 2018 – June 30, 2020
23. Understanding procurement practices of residential and commercial construction building firms in the Southeastern United States. **Quesada, H.J.**, and Smith, R.  
Sponsor: South Carolina Forestry Commission (2017-51102-27285)  
Amount: \$45,727  
July 1, 2018 – June 30, 2019

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24. Evaluation of Vacuum and Steam Heat as a Methyl Bromide Alternative for Phytosanitary Treatment of Hardwood and Softwood Logs. Zhangling, C., White, M. And **Quesada, H.J.**, and Eisenback, J.  
Sponsor: USDA NIFA (2017-51102-27285)  
Amount: \$393,049  
Sep 1, 2017 - Aug 31, 2019
  25. Application of Lean Value-streamed mapping to the Wood Fiber Supply Chain. **Quesada-Pineda, Henry J.** And Bond, Brian.  
Sponsor: Wood Research Supply Institute/ VT Foundation G&C (non-Pratt) (23386).  
Amount: \$50,000  
November 1, 2016-October 31, 2017
  26. Development of cross-laminated timber markets for hardwood lumber producers to promote forest health and support of rural communities. **Quesada-Pineda, Henry J.** And Bond, Brian.  
Sponsor: USDA/Wood Innovations Grant Program/ Agriculture G&C (23033).  
Amount: \$208,977  
June 1, 2016-May 31, 2019
  27. Market Opportunities for USA Hardwoods in Emerging Economies of Eastern Europe. Haviarova, E. and **Quesada-Pineda, Henry.**  
Sponsor: USDA-FSMIP/ Purdue University (8000077764-AG).  
Amount: \$94,510  
September, 30 2016-September 29, 2018
  28. Increasing Exports of US Wooden Modular Homes to Developing Countries  
Investigator(s). **Quesada-Pineda, Henry J.**, Smith, R.  
Sponsor: USDA, Agricultural Marketing Service (14-FSMIP-VA-0014)  
Amount: \$71,680  
September 30, 2014-September, 29 2016.
  29. Vocational and Entrepreneurial Agroforestry Education: Successful case studies in Latin America.  
Investigator(s). **Quesada Pineda, Henry J**  
Sponsor: Sub award from OIRED / US Agency International Development (AID-OAA-L-12-00002).  
Amount: \$28,511  
October 2014-March 2015.
  30. Analysis and Impact of Energy Recommendations in the Wood Products Industry.  
Investigator(s): Brian Bond and **Henry Quesada-Pineda**  
Sponsor: USDA, Forest Service (13-JV-11242301-080)  
Amount: \$35,000  
August 1, 2014 - July 31, 2016
  31. Agricultural Energy Efficiency.  
Investigator(s): PI Walker, Martha A. CO-PIs: Ignosh, John P. Latimer, Joyce G. Mariger, Stanley C., **Quesada-Pineda, Henry J.**, Reed, Thomas D. , Jerrell, Scottie L. , Fannon, Amy G., Clarke, C T. , Blevins, Philip K. , Barts, Stephen G. Jessee, Denny S. and Martel, Cynthia.  
Sponsor: Virginia Tobacco Indemnification & Community Revitalization Commission (2802)  
Amount: \$314,886  
January 1, 2014 - January 31, 2015
  32. Industry Directory for the VA Forest Products Industry  
Investigator(s): **Quesada-Pineda, H.J.**, and Smith, R
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Sponsor: VA Department of Forestry (MOA DTD 1/29/13)  
Amount: \$85,336 (\$42,688 from VDOF)  
February 1, 2013 - July 31, 2014

33. Research Experiences for Teachers: Innovation-based Manufacturing  
Investigator(s): Williams, C. (PI), Brand, B., Hendricks, R., Subhash, S., Sturges, R.,  
**Quesada-Pineda, H.J.**, Camelio, J., Ellis, K., and Druschitz, A  
Sponsor: National Science Foundation (NSF) #1200221  
Amount: \$450,000  
December 1, 2012 - November 30, 2016
34. U.S.-India Joint Clean Energy Research and Development Center (JCERDC). Project 2,  
subtask 3: Sustainability and Marketing  
Investigator(s): Alavalapati, J., **Quesada-Pineda, H.J.**, and Smith, R  
Sponsor: Department of Energy (DOE)/ University of Florida (UF13015; UFDSP00011011)  
Amount: \$971,496 with \$485,748 from the DOE  
October 17, 2012 - October 1, 2017
35. Development of low-grade hardwood cross-laminated timbers  
Investigator(s): Hindman, D. P., J. R. Loferski, B. Bond, D. E. Kline, and **H. Quesada-Pineda**  
Sponsor: USDA NIFA (2012-34638-20333)  
Amount: \$300,616  
September 1, 2012 - August 31, 2015
36. Second Innovation based-Manufacturing workshop: Travel Grant for Workshop Speakers  
Investigator(s): **Quesada-Pineda, H.J.** and Madrigal, J  
Sponsor: Women in Leadership and Philanthropy Endowed Lecture Fund  
Amount: \$1,000  
November 7, 2011 - November 9, 2011
37. Analysis of Factors Impacting the International Value Chain of Hardwood Products: A  
Comparison between Asia and Western Europe  
Investigator(s): **Quesada-Pineda, H.J.** and Smith, R  
Sponsor: USDA-FSMIP/ VA Department of Agriculture & Consumer Services (2011-418)  
Amount: \$150,300 with \$75,150 from USDA/FSMIP  
September 1, 2011 - August 31, 2013
38. Online course and workshop development funds  
Investigator(s): **Quesada-Pineda, H.J.** and Kline, D.E  
Sponsor: USDA/WERC  
Amount: \$5,196  
January 1, 2010 - December 31, 2010
39. Center for Innovation-based Manufacturing  
Investigator(s): Camelio, J., **Quesada-Pineda, H.J.**, Williams, C., Agblevor, F., Cook, D.,  
Ellis, K., Hendricks, R., Johri, A., Sarin, S., Sturges, R. and Van Aken, E  
Sponsor: Institute for Critical Technology and Applied Science (ICTAS) at Virginia Tech  
Amount: \$337,500  
October 1, 2010 - September 30, 2015
40. Analysis of Value Chain for Forest Products Industries in Mexico  
Investigator(s): **Quesada-Pineda, H.J.**  
Sponsor: USDA, Foreign Agricultural Service (58-3148-0-147)  
Amount: \$4,833  
January 1, 2010 - January 31, 2010

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41. Workshop: The Wood Products Industry in Costa Rica: Opportunities and Challenges towards the New Millennium  
Investigator(s): **Quesada-Pineda, H.J.** and Moya Roque, M  
Sponsor: Costa Rican Ministry of Science and Technology (\$2,500) and Rainforest Alliance (\$500)  
Amount: \$2,500  
January 4, 2010 - January 5, 2010
  42. Reduce Energy Consumption Through Lean Thinking  
Investigator(s): **Quesada-Pineda, H.J.**, U Buehlmann, B. Bond, and D. E. Kline  
Sponsor: Wood Education Research Center (WERC) at the USDA Forest Service  
Amount: \$158,512 with \$79,256 from WERC/USDA  
July 1, 2010 - June 30, 2012
  43. Impact of Vacuum-Drying on Efficiency of Hardwood Products Manufacturing  
Investigator(s): Brian Bond, Omar Espinoza, Urs Buehlmann, and **Henry Quesada-Pineda**  
Sponsor: USDA-WERC/Forest Service (10-DG-11420004-089)  
Amount: \$140,644 with 70,322 from USDA-WERC  
July 1, 2010 - June 30, 2011
  44. Market Opportunities for Virginia's Wood Products in Central America  
Investigator(s): **Quesada-Pineda, H.** and Smith, R  
Sponsor: Federal State Marketing Improvement Program (FSMIP) at the USDA/ VA Department of Agriculture & Consumer Services (GRANT AGRMT #2009-417)  
Amount: \$174,316 with \$87,158 from FSMIP/USDA  
July 1, 2009 - June 30, 2011
  45. In kind contribution: Donation of 25 ERP Dynamics Axapta licenses  
Investigator(s): **Quesada-Pineda, H**  
Sponsor: Microsoft  
Amount: \$50,000  
January 1, 2009 - January 1, 2012
  46. Design and Development of a new Wine Barrel  
Investigator(s): **Quesada-Pineda, H**  
Sponsor: The Center for Higher Performance Manufacturing at Virginia Tech with \$26,000 from the University of Kentucky and \$13,000 from DBGlobal  
Amount: \$39,000  
July 1, 2009 - April 15, 2010
  47. Innovation and Technology Management Master Degree Program  
Investigator(s): **Quesada-Pineda, H.** and., Meneses, P. (Costa Rica Tech)  
Sponsor: CR-USA Foundation  
Amount: \$10,000  
June 1, 2008 - June 30, 2009
  48. In kind contribution: Donation of Cherry Lumber for the WEI program  
Investigator(s): **Quesada-Pineda, H.** and Kline, D.E  
Sponsor: Frank Miller Lumber Company  
Amount: \$4,500  
November 1, 2008 - December 1, 2009
  49. Design and developing of a nanorobot for circuit inspection  
Investigator(s): Vega, P., **Quesada-Pineda, H.**, Alvarado P, Alvarez, J. Chine, B  
Sponsor: Intel (\$25,000) and Costa Rica Institute of Technology (\$97,000 from internal grant competition)
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Amount: \$25,000  
January 1, 2008 - December 31, 2011

50. Business Model for Small and Medium Enterprises based on Case of Studies  
Investigator(s): **Quesada-Pineda, H.** Meneses, M  
Sponsor: Costa Rica Institute of Technology, internal grant competition  
Amount: \$15,000  
January 1, 2008 - December 31, 2008
51. An Empirical Model to Decrease Cycle Time and Process Inventory by Applying Lean Thinking Principles  
Investigator(s): **Quesada-Pineda, H**  
Sponsor: Costa Rica Institute of Technology (internal grant competition) with \$1,000 from Servicios Generales del Oeste  
Amount: \$1,000  
January 1, 2007 - July 1, 2007
52. In kind contribution: Donation of 300 licenses of ERP Dynamics Axapta  
Investigator(s): **Quesada-Pineda, H**  
Sponsor: Microsoft  
Amount: \$600,000  
June 1, 2006 - August 1, 2010
53. Multidimensional Analysis of the Quality Award for the Costa Rica Industry Council  
Investigator(s): Meneses, M., **Quesada-Pineda, H.**  
Sponsor: Costa Rica Institute of Technology, internal grant competition  
Amount: \$11,700  
January 1, 2007 - December 31, 2007
54. Bases for the Establishment of a Industrial Supplier Park  
Investigator(s): **Quesada-Pineda, H.** and Meneses, M, Gamboa, O  
Sponsor: Costa Rica Institute of Technology, internal grant competition  
Amount: \$11,700  
June 1, 2005 - January 1, 2007
55. Supply Chain Management in Developing Countries: An Empirical Study  
Investigator(s): **Quesada-Pineda, H.** Monge-Mora, C. and Gamboa, O  
Sponsor: Costa Rica Institute of Technology, internal grant competition  
Amount: \$15,500  
August 1, 2004 - August 1, 2006

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#### PEER-REVIEWED PUBLICATIONS

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*Peer reviewed articles in journals (\*denotes student)*

1. Adhikari, S., **Quesada, H.**, & Bond, B. 2024. Production and Performance of Yellow-poplar CLT: Part I. Mass Timber Construction Journal, 7(1), 48-56. Retrieved from <https://www.journalmtc.com/index.php/mtcj/article/view/41>
  2. Adhikari, S., Bond, B., and **Quesada, H.** 2024. Producing structural grade hardwood lumber as a raw material for cross-laminated timber: Yield and economic analysis. BioResources 19(1), 23-40.
  3. Ogunraku, Mercy; França, Tamara S. F. A.; França, Frederico J. N.; Seale, R. Daniel; Arango, Rachel A.; **Quesada, Henry J.** 2024. Mechanical properties of underutilized hardwood species and potential for use in fabrication of cross-laminated timber industrial mats. Forest Products Journal. 74(3): 233-241.
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4. Adhikari, Bond, B. and **Quesada, H.** 2023. Design and Evaluation of a Shear Analogy Tool for Custom Cross-Laminated Timber (CLT) Panels Made from Various Wood Species. *Forest Products Journal*. 73(4).293-300.
  5. Gonzalez, J\*., Bond, B., **Quesada, H.** 2021. Variability in the Mechanical Properties of Commercially Available Thermally Modified Hardwood Lumber. *Bioresources*. 16(3): 6083-6099
  6. Pomponi, J\*., **Quesada, H.**, Smith, R. and Arias, E. 2021. Factors Behind Construction Companies Wood Products Purchasing Decisions: Supplier Market Impact. *Forest Products Journal*. Accepted in May 26,2021.
  7. Gonzalez, J. Adhikari, S, **Quesada, H.**, and Bond, B. 2020. Design of a Total Revenue Forecasting Tool to Estimate the Economic Output of Hardwood Logs. *Forest Products Journal*. Accepted in October.
  8. Adhikari, S\*., **Quesada, H.**, Bond, B., & Hammett, T. 2020. Potential of Hardwood Lumber in Cross Laminated Timber in North America: A CLT Manufacturer's Perspective. *Mass Timber Construction Journal*, 3(1), 1-9.
  9. Arias, E\*. **Quesada, H.**, and Smith, R.L. 2020. Competitive Strategies for International Marketing of Hardwood Products based on the Mining of Open Questionnaire Data. *BioResources*. 15(4): 7872-7892.
  10. **Quesada, H.**, Smith, R., Berger, G. and Loferski, J. 2020. A Visual Assessment of Cross-laminated timber Structures in Austria. *BioProducts Business*. 5(5): 51-62.
  11. **Quesada, H.**, Mazzola, J., and Sherrard, D. 2020. Implementing Experiential Learning in High School Agriculture and Forestry Curriculum: A Case Study in Guatemala. *Journal of Experiential Learning*. <https://doi.org/10.1177/1053825920926195>
  12. Navarro, N\*., Fallas, P.D\*., **Quesada, H.J.**, and Madrigal-Sanchez, J. 2020. A Supplier Selection Model for the Wood Fiber Supply Industry. *Bioresources*. 15(1): 1959-1977.
  13. Fallas, P\*., **Quesada, H.J.**, and Bond, B. 2020. A Lean Logistics Framework: A Case Study in the Wood Fiber Supply Chain. *Wood and Fiber Science*. 52(1).
  14. Tasdemir, C., Gazo, R. & Quesada, H.J. 2019. Sustainability benchmarking tool (SBT): theoretical and conceptual model proposition of a composite framework. *Environ Dev Sustain*. <https://doi.org/10.1007/s10668-019-00512-3>
  15. Quesada, H.J.; Smith R; Kakkar G\*. 2019. Assessment of U.S. manufactured system built wooden homes as an affordable housing alternative for low income households in developing countries. *BioProducts Business* 4(4): 41-50.
  16. Quesada H.J.; Bond B; Adhikari S.\*; Grushecky S. 2019. Analysis of Hardwood Lumber Grade Yields Using Monte Carlo Simulation. *BioResources* 14(1):2029-2050.
  17. Li, L\*., and **Quesada, H.J.** 2018. Green Design of a Cellulosic Butanol Supply Chain Network: A Case Study of Sorghum Stem Bio-butanol in Missouri. *BioResources*. 13(3):5617-5642
  18. **Quesada, H.J.**, Smith, R., and Berger, G. 2018. Drivers and Barriers of Cross-laminated Timber (CLT) Production and Commercialization: A Case Study in the Western Europe's CLT industry. *BioProducts Business*. 3(3):29-38.
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19. Fallas, P.\* **Quesada, H.J.**, and Madrigal, J. 2018. Implementation of Lean Thinking Principles to Logistic Activities: A case study in the Wood Products Industry. *Tecnologia en Marcha*. In print.
  20. **Quesada-Pineda, H.J.**, Erdogan, S\*, and Bond, B. 2017. An Empirical Tool to Measure the Effectiveness of Kaizen Events: A Case of Study in the Wood Products Industries. *Forest Products Journal*. 67(3/4): 164-178.
  21. Brenes-Bastos, M\*, Madrigal-Sanchez, J. and **Quesada-Pineda, H.J.** 2017. The Influence of Demographics on Continuous Improvement Strategic Planning. *Tecnologia en Marcha*. 30(3):12-23.
  22. Withers, J.\* **Quesada-Pineda, H.J.**, Smith, R. 2017. Bioeconomy Survey Results Regarding Barriers to the United States Advanced Biofuel Industry. *BioResources*. 12(2): 2846-2863.
  23. **Quesada-Pineda, H.J.**, Brenes, M\*. and Smith, R. 2017. Assessing Geographic Information Systems Use In Marketing Applications For The Wood Products Industry. *BioProducts Business*. 2(2): 15-22.
  24. **Quesada-Pineda, H.J.**, Wiedenbeck, J. and Bond, B. 2016. Analysis of Electricity Consumption: A study in the Wood Products Industry. *Energy Efficiency Journal*. 9(5):1193-1206.
  25. Withers, J\*., **Quesada-Pineda, H.J.**, and Smith, R. 2015. Internal and External Barriers Impacting Non-Food Cellulosic Biofuel Projects in the United States. *BioResources*. 10(3): 3874-3889.
  26. Brenes-Angulo, O\*, Bond, B., Kline, E., and **Quesada-Pineda, H.** 2015. The impact of vacuum-drying on efficiency of hardwood products manufacturing. *BioResources* 10(3): 4588-4598.
  27. Edwards-Schachter, M., Garcia-Navarro, A., Sanchez-Barrioluengo, **Quesada-Pineda, H.**, and Amara, N. 2015. Disentangling Competences: Interrelationships on creativity, Innovation and entrepreneurship. *Thinking Skills and Creativity*. 16(1): 27-39.
  28. **Quesada-Pineda, H.J.** and Haviarova, E. 2014. Incorporating Experiential Learning and Education for Sustainable Development into Study Abroad Programs. *Natural Sciences Education*. 43(1):127-136.
  29. Moya, R., Bond, B., and **Quesada-Pineda, H.J.** 2014. A review of heartwood properties of *Tectona grandis* trees from fast-growth plantations. *Wood Science and Technology*. 48(2):411-433.
  30. Lyon, S\*., **Quesada-Pineda, H.J.**, and Crawford, S\*. 2014. Reducing Electrical Consumption in the Forest Products Industry Using Lean Thinking. *BioResources*. 9(1):1373-1386.
  31. **Quesada-Pineda, H.J.**, Lyon, S\*, and Smith, R. 2013. Marketing Factors Impacting Imported Wood Products in Central America. *International Wood Products Journal*. 5(2):108-120.
  32. **Quesada-Pineda, H.J.**, ad Madrigal, J\*. 2013. Sustaining Continuous Improvement: A Longitudinal and Regional Study. *International Journal of Engineering Business Management*. Online journal 5(43):1-13.
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33. Lyon, S\*, **Quesada-Pineda, H.J.**, and Smith, R. 2013. Identifying Market Opportunities for Appalachian Forest Products Companies in Central America. *Southern Journal of Applied Forestry*. 37(4): 202-207
  34. Espinoza, O., Smith, R., Bond, B., and **Quesada-Pineda, H.J.** 2013. Education Needs of the Forest Products Industry in Minnesota and Virginia in 2012. *Forest Products Journal*. 62(7/8):613-622.
  35. **Quesada-Pineda, H.J.**, Buehlmann, U. and Arias, E. 2013. Pensamiento Lean: Aplicaciones y Ejemplos en la Industria de la Madera. Virginia Cooperative Extension (translation to Spanish of peer-reviewed article VCE 420-002).
  36. Moya, R., Tenorio, C., Carranza, M., Camacho, D., and **Quesada-Pineda, H.** 2013. Structural Performance of I-beam Fabricated from a Fast-growing Tree, Gmelina Arborea. *Journal of Tropical Forest Science*. 25(2):151-156.
  37. Madrigal, J\*, and **Quesada-Pineda, H. J.** 2012. Innovation Management Best Practices: a Case Study among Wood, Energy, and Medical Firms. *Business Process Management Journal*. 18(6). 898-918.
  38. Wang, C\*, **Quesada-Pineda, H. J.** 2012. Lean Evaluation of the Engineering Process: A Case Study in the Furniture Industry. *Journal of Forest Products Business Research*. Volume 9, article 1: 12 pages. Online Journal.
  39. **Quesada-Pineda, H.J.**, Sanchez-Gomez, S\*, and Araman, P. 2012. A Quantitative Study of the U.S. Wood Pallet Industry Based on Supply Chain Management Practices. *Journal of Applied Packaging Research*. 6(1):1-26.
  40. Lyon, S\* **Quesada-Pineda, H.J.**, Smith, R. and Kline, E. Quesada-Pineda, H.J. 2012. Identifying Market Opportunities for Appalachian Forest Products Companies in Central America. *Revista Forestal Kuru*. 9(22): 40-50.
  41. Tenorio, C. , Moya, R., and **Quesada-Pineda, HJ.** 2012. Kiln Drying of Acacia Mangium Wood: Color, Shrinkage, Warp, Split and Check in Dried Lumber. *Journal of Tropical Forest Science*. 24(1):125-139.
  42. **Quesada-Pineda, H.J.**, and Sanchez-Gomez, L.S.\* 2012. Analysis of Factors Impacting Supply Chain Management in the Wood Pallet Industry. *Journal of Forest Products Business Research*. Vol 8, article 3, 13 pages.
  43. Wang, C\*, **Quesada-Pineda, H.J.**, Kline, D.E., and Buehlmann, U. 2011. Using Value Stream Mapping to Analyze an Upholstery Furniture Engineering Process. *Forest Products Journal*. 61(5): 411-421.
  44. **Quesada-Pineda, H.J.** and Meneses-Guzman, M. 2011. Business Model Development to Support Small and Medium Enterprises based on Success Cases. *Tec Empresarial*. 5(2):27-37.
  45. **Quesada-Pineda, H.J.**, Adams, E.\* and Hammett, A.L. Tom. 2011. Incorporating Experiential Teaching Methods in Sustainable Natural Resources Curriculum: A Case Study. *Journal of Natural Resources & Life Sciences Education* 40: (2011): Online Journal.
  46. **Quesada-Pineda, H.J.**, Kenealy, D. and Vlosky, R. 2011. Transitioning Ideation to Commercialization: A Comprehensive Product Development Strategy with an Application in the Wood Products Industry. *Forest Products Journal*. 60(7/8): 694-699.
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47. **Quesada-Pineda, H, J.**, Conn, S. and Sanchez-Gomez, S.\* 2011. A Survey of Educational Needs and Online Training Perceptions in the Wood Products Industry. *Journal of Extension*. 49(1). Online Journal.
  48. **Quesada-Pineda, H,J.**, Meneses-Guzman, M. and Monge-Fernandez, G. 2010. Evaluation of the Costa Rican Excellence Award for High Quality and Performance. *Tec Empresarial* 4(2): 39-48.
  49. **Quesada-Pineda, H, J.** 2010. Innovation Activities in the Primary Wood Products Sector: A Case Study. *Wood and Fiber Science*. 42(4):1-12.
  50. **Quesada-Pineda, H.J.**, Haviarova, E. and Slaven, I.\* 2009. A Value Stream Mapping Analysis of Selected Wood Products Companies in Central America. *Journal of Forest Products Business Research*. Vol 6, article 4.
  51. **Quesada-Pineda, H.J.**, Meneses, M, and Gamboa, 2009. O. Supply Chain Management and its Relationship with Foreign Direct Investment. *Tec Empresarial*. 2(3). 37-45.
  52. Mora-Monge, C. and **Quesada-Pineda, H.** 2007. Advanced Manufacturing Technologies in Developing Countries: A comparison between Costa Rica and México. *Tecnología en Marcha*: 19(4): 3-13.
  53. **Quesada, H.** and Gazo, R. 2007. Best Manufacturing Practices and their Linkage to Top-Performing Companies in the US furniture industry. *Benchmarking: An International Journal*. 14(2):211-221.
  54. **Quesada, H.** and Gazo, R. 2007. Methodology for Determining Key Internal Business Processes Based on Critical Success Factors: A Case Study in Furniture Industry. *Business Processes Management Journal*. *Business Process Management Journal*. 13(1): 5-20.
  55. **Quesada, H.** and Gazo, R. 2007. Distribution Properties of Financial Ratios and Performance of the Furniture Industry: A Comparison Based on Critical Financial Factors. *Journal of Forest Products Business Research*. (4): 3. Online Journal.
  56. **Quesada, H.** and Gazo, R. 2006. Mass Layoffs and Plant Closures in the US Primary and Secondary Wood Products Industries. *Forest Products Journal*. 56(10), 101-106.
  57. Aguilar, S.\*, Espinoza, C. y **Quesada, H.** 2006. How to Integrate a Firm's Strategy with its Total Quality Management System? *Tecnología en Marcha*. 19(1): 24-31.
  58. Gazo, R. and **Quesada, H.** 2005. A Review of Competitive Strategies of Furniture Manufacturers. *Forest Products Journal*. 55(10): 4-12.
  59. **Quesada, H.**, and Gazo, R. 2003. Development of a Manufacturing System for Construction of School Furniture. *Forest Products Journal*. 53(9): 47-54

*Peer-reviewed articles in conferences*

1. **Quesada-Pineda, H.J.** and Brenes-Bastos, M\*. 2014. Demographic Characteristics and their Influence in the Strategic Planning of Continuous Improvement Initiatives. Decision Science Institute Conference. November. Orlando, FL. Accepted.
  2. **Quesada-Pineda, H.J.**, Arias, E.\*, and Smith, R. 2014. Factors Impacting the Exports of US Hardwoods to Germany, China, and Vietnam. 57th Society of Wood Science and Technology Conference. Oral Presentation. Zvolen, Slovakia. June 22-27, 2014.
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3. Madrigal, J\*., **Quesada-Pineda, H. J.** 2012. Factors affecting the sustainability of continuous improvement initiatives. 2012 Decision Science Conference. Paper # 383. San Francisco, CA. November 17-20. Page 46 of the Conference Proceedings.
  4. Pierce, B.D\* and **Quesada-Pineda, H.J.** 2011. Sustaining Agriculture in an Urbanizing World. 10th Annual NC OPT-ED Alliance Day Engaging Future Leaders for Global Excellence. NC State University – Jane S. McKimmon Conference Center. Page #16 in the Abstract & Recruitment Book. Friday, October 14, 2011. Raleigh, NC.
  5. **Quesada-Pineda, H.J.**, Mora-Monge, C., Meneses-Guzman, M., Gonzalez, M. and Quesada, G. 2009. Evaluation of the Costa Rican Excellence Award for High Quality and Performance. 40th Decision Science Institute Conference. New Orleans, LA. November 14-17, 2009. Peer reviewed paper. Pages 3251-3256.
  6. Carlo A. Mora-Monge, C., Rao, S.R., Gonzalez, M., Quesada, G. and **Quesada, H.** 2008. An Empirical Investigation Of Factors Influencing Web-Based Electronic Commerce Use A Supply Chain Perspective. 39<sup>th</sup> Decision Science Institute Conference. Baltimore, MD. Conference Proceedings.
  7. **Quesada, H.** 2008. Supply Chain Management and its Relationship to Foreign Direct Investment: Empirical Study in Costa Rica. Pan-Pacific Conference XXV. San Jose, Costa Rica.
  8. **Quesada, H.** Meneses, M., and Gamboa, O. 2007. Bases for the Establishment of an Industrial Supplier Park. XII ALTEC Congress. Argentina.
  9. **Quesada, H.** 2007. A Research on Best Technological Innovating Practices to support creation of Small and Medium Enterprises based on a Supply Chain Management Model: A case of Study in Costa Rica. XII ALTEC Congress. Argentina.
  10. **Quesada, H.** and Gazo, R. 2007. Best Manufacturing Practices and their Linkage to Top-Performing Companies in the US furniture industry. Benchmarking: An International Journal. Volume 14(2): 211-221.
  11. **Quesada, H.** and Mora-Monge, C . 2006. Characterization Of Supply Chains In Costa Rica: A New Vision To Face Cafta. 37th Decision Science Conference, San Antonio, TX. November. Conference Proceedings
  12. Mora-Monge, C., Rao, S., **Quesada, H.**, González, M., and Sohal, A. 2004. Co-alignment Analysis of the Impact of AMT Investments and Planning and Performance. 35th Decision Sciences Institute Conference, Boston, MA.
  13. **Quesada, H.**, and Gazo, R. 2003. "Benchmarking Study Based on Critical Success Factors for Household, Office and Kitchen Cabinet Wood Furniture Industries". 17th International Conference on Production Research. Blacksburg, VA.

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#### BOOKS

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**Quesada, H. J.**, 2020. Sustainable Operations Management. Published by Virginia Tech Printing Services\*\*

*\*\*Textbook used in my SBIO 3464 Forest Products Business Systems course at Virginia Tech.*

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#### BOOK CHAPTERS

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**Quesada-Pineda, H. J.**, Withers, J. and Smith, R. 2017. Perceptions on Internal and External Factors Impacting the U.S. Nonfood Advanced Biofuel Industry. Chapter in book: *Frontiers in Bioenergy and Biofuels*. Intech. Open Access Publisher. ISBN 978-953-51-2891-5. Peer reviewed book chapter.

**Quesada-Pineda, H. J.**, Gazo, R., and Sanchez, S.\* 2012. Critical Success Factors in Supply Chain Management\*\*. Chapter in book: [Pathways to Supply Chain Excellence](#). Intech. Open Access Publisher. ISBN 979-953-307-234-9. Peer reviewed book chapter.

*\*\*Since the book publication in February 2012 and as February 2021, this chapter has been downloaded more than 69,000 times, second most downloaded chapter in the Business, Management, and Economics category.*

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### CONFERENCE PROCEEDINGS

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*Papers and presentations in Conferences (\*denotes student)*

1. Zambrano, F., Bond, B. and **Quesada, H.** 2024. Opportunities and Barriers to the Adoption of Vacuum and Steam Treatment Technology for the Export of Hardwood. Forest Products Society Annual Convention. June 5-6, Knoxville, TN.
  2. Adhikari, S\*, Bond, B., and **Quesada, H.** 2023. State of Arts of Hardwood Cross Laminated Timbers (HCLTs) and Outlooks. Paper presentation in session Business, Marketing, Developments and Regulations. SWST International Convention. June 25-30. Ashville, NC.
  3. Bond, B. Espinoza, O. and **Quesada, H.** 2023. Educating Architects and Builders about Opportunities for Thermally-modified Wood Products from Low-value Hardwood Species. Paper presentation in session Business, Marketing, Developments and Regulations. SWST International Convention. June 25-30. Ashville, NC.
  4. Adhikari, S., Bond, B., **Quesada, H.**, 2022. The Current Status of Hardwood Cross-Laminated Timber. 118th AWPA Annual Conference. May 15-17. Charleston, South Carolina
  5. Haviarova, E., J. Mo, **H. Quesada.** 2021. Hardwood CLT Performance Testing, Product Development, and Fabrication. Society of Wood Science & Technology International Convention. August 1-6., Flagstaff AZ,
  6. Adhikari, S., **Quesada, H.** and Bond, B. 2021. A Log Yield Study to Measure Structural Grade Hardwood Lumber (SGHL). Oral presentation. 2021 FPS Virtual International Conference. June 15-17.
  7. **Quesada, H.** Structural Grade Hardwood Lumber Economic Feasibility. 2021. Paper presentation in session Business, Marketing, Developments and Regulations. SWST International Convention. August 1-6, 2021. Flagstaff, AZ.
  8. **Quesada, H.**, Gonzalez, J., and Bond, B. 2020. Barriers and Drivers of Thermally-modified Wood: Perceptions of Architects in the US. Paper presentation in session Business, Marketing, Digitalization and Regulations. SWST International Convention. July 12-15. Online conference.
  9. **Quesada, H.J.**, Adhikari, S\*, Bond, B. 2019. Hardwood Cross-Laminated Timber: Readiness of US Hardwood Lumber Manufacturers. Paper presentation in session Timber Engineering and Mass Timber. SWST International Convention. October 21-25, 2019. Fish Camp, California.
  10. **Quesada, H.J.**, Pomponi, J\*, Bird, A\*, and Smith, R. 2019. Drivers Impacting Supplying Decisions of Construction Companies: A Case Study in the Southeastern Region of the US.
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Paper presentation in session Business, Marketing, and Regulations session. SWST International Convention. October 21-25, 2019. Fish Camp, California.

11. \*Adhikari, S., **Quesada, H.**, and Bond, B. 2019. Opportunity for the Hardwood Industry to Get Into the Cross-Laminated Market: A CLT Manufacturer Perspective. Paper presentation in session CLT 2. 73rd International Forest Products Society Convention. June 25-28, 2019. Atlanta, GA.
12. \*Gonzalez, J., **Quesada, H.**, and Bond, B. 2019. Variability of Commercially Available Thermally Modified Lumber. Paper presentation in session Markets and perspectives. 73rd International Forest Products Society Convention. June 25-28, 2019. Atlanta, GA.
13. **Quesada, H.J.**, and Adhikari, S. 2018. Application of Monte Carlo Simulation to Hardwood Lumber Yields. Paper presentation in session Business and Marketing. SWST joint International Convention. November 5-9, 2018. Nagoya, Japan.
14. Li, L., **Quesada-Pineda, H.J.**, and Smith, B. 2017. Green design of a cellulosic bio-butanol supply chain network. Paper presentation in session 3-E. 2017 Division 5.0 IUFRO/SWST joint International Convention. June 12-16, 2017. Vancouver, Canada
15. Kakkar, G., **Quesada-Pineda, H.J.**, and Smith, B. 2017. Manufactured wood housing: An industrial alternative to traditional construction. Paper presentation in session 3-E. 2017 Division 5.0 IUFRO/SWST joint International Convention. June 12-16, 2017. Vancouver, Canada.
16. Fallas, P., **Quesada-Pineda, H.J.**, and Smith, B. 2017. Value Stream Mapping Applied to Logistic Activities: A Multiple Case Study in a Woods Forest Industry. Paper presentation in session 3-E. 2017 Division 5.0 IUFRO/SWST joint International Convention. June 12-16, 2017. Vancouver, Canada
17. Tasdemir, C, Gazo, R. And **Quesada-Pineda, H.J.** 2017. Incorporating lean and green: evolving into a more efficient and responsible manufacturing and logistics state. Poster Presentation. 2017 Division 5.0 IUFRO/SWST joint International Convention. June 12-16, 2017. Vancouver, Canada
18. Kakkar, G\*. **Quesada-Pineda, H.J.**, Smith, R. 2016. Internationalization of system built wood construction industry: market assessment in developing countries. 4th International Conference on Process Technologies for the forest and biobased Products Industries. Marketing and Education Session. Oral presentation. St Simons, GA, 25 Oct 2016 - 28 Oct
19. **Quesada-Pineda, H.J.**, Fallas, P\*. 2016. Integrating Lean Thinking, Logistics, and Life Cycle Assessment: A case of Study in the Forest Products Industry. 4th International Conference on Process Technologies for the forest and biobased Products Industries. Wood and the Environment Session. Oral presentation. St Simons, GA, 25 Oct 2016 - 28 Oct 2016.
20. Withers, J\*., **Quesada-Pineda, H.J.**, and Smith, R. 2016. Barriers Impacting the United States Advanced Biofuel Projects. 4th International Conference on Process Technologies for the forest and biobased Products Industries. Economics and Decision Support Session. Oral presentation. St Simons, GA, 25 Oct 2016 - 28 Oct 2016.
21. Erdogan, S\*. **Quesada-Pineda, H.J.**, and Bond, B. 2016. Measuring Effectiveness of Kaizen Events within the Wood Products Industry. 58th Society of Wood Science and Technology Conference. Oral Presentation. Curitiba, Brasil. March 6-10 2016.

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22. Wither, J.\* **Quesada-Pineda, H.J.**, and Smith B. Sustainability Factors Impacting United States Advanced Biofuel Projects. 58th Society of Wood Science and Technology Conference. Oral Presentation. Curitiba, Brasil. March 6-10 2016.
  23. Arias, E.\* **Quesada-Pineda, H.J.**, and Smith, B. 2015. Internal and External Barriers Impacting Non-food Lignocellulosic Biofuel Projects in the United States. Proceedings of the 58th International Convention of Society of Wood Science and Technology. June 7-12. Grand Teton National Park, Jackson, WY. Page 97.
  24. Wither, J., and **Quesada-Pineda, H.J.** 2015. Assessing Geographic Information Systems (GIS) in Marketing Applications: A Case of Study in the Wood Products Industry. Proceedings of the 58th International Convention of Society of Wood Science and Technology. June 7-12. Grand Teton National Park, Jackson, WY. Page 456.
  25. **Quesada-Pineda, H.J.**, and Smith, R. 2014. Spatial Analysis and Operational Status of Lignocellulosic Biofuel Systems in the United States. Indo-US Conference on Advanced Lignocellulosic Biofuels CSIR-Indian Institute of Chemical Technology (CSIR-IICT). November 10-11. Hyderabad, India
  26. **Quesada-Pineda, H.J.**, and Haviarova, E. 2014. Incorporating Experiential Learning and Education for Sustainable Development into Study Abroad Programs. 57th Society of Wood Science and Technology Conference. Poster Presentation. Zvolen, Slovakia. June 22-27, 2014.
  27. Brenes, M\*. and **Quesada-Pineda, H.J.** 2014. Demographic Characteristics and their Influence in the Strategic Planning of Continuous Improvement Initiatives. . Decision Science Institute Conference. Hotel Marriot Waterside, Tampa, FL. November 21-25. In session 70 of the Conference proceedings.
  28. Haviarova, E., Bois,J\*., and **Quesada-Pineda, H.J.** 2013. Development of Optimal Forest Products Supported by Life Cycle Assessment for Sustainable Use of Natural Resources. International Scientific Conference on Hardwood Processing (ISCHP). Session IV: Hardwood Market and Sustainability. October 7-9. Florence, Italy.
  29. Arias, E.\* , and **Quesada-Pineda, H.J.** . 2013. Exports of U.S. Hardwoods Products: Increasing Performance and Asia and Western Europe. Proceedings of the 2013 Forest Product Society International Convention. Session 3: Marketing, page 31. June 9-11. AT&T Hotel and Conference Center, Austin, TX.
  30. Madrigal, J. and **Quesada-Pineda, H.J.** 2012. Factors Impacting the Sustainability of Continuous Improvement Initiatives in Wood Products Industries. 2nd Biennial International Conference on Processing Technologies for the Biobased Products Industries. St. Simons Island, GA. November 6-7, 2012. Page 20 of the Conference Proceedings.
  31. Crawford, S\*., **Quesada-Pineda, H.J.**, Kline, D.E. 2012. Lean Thinking Applications for Energy Reductions: A case study in Wood Products Industries. 2nd Biennial International Conference on Processing Technologies for the Biobased Products Industries. St. Simons Island, GA. November 6-7, 2012. Page 19 of the Conference Proceedings.
  32. **Quesada-Pineda, H. J.** 2012. Buying into Sustainability. IUFRO Division 5 Conference. Estoril Congress Center. Paper OP083, page 96. July 8-13. Estoril, Portugal
  33. Madrigal, J.\* , and **Quesada-Pineda, H. J.** 2012. Assessing Factors that impact the sustainability of the continuous improvement process. Proceedings of the 66th Forest Products Society International Convention. Session 9, Page 38. June 3-5. The Omni Shoreham Hotel, Washington, DC.
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34. Crawford, S.\* , **Quesada-Pineda, H. J.**, and Kline, D. E. 2012. Applying Lean Thinking to Reduce Energy Inefficiencies in the Forest Products Industry. Proceedings of the 66th Forest Products Society International Convention. Session 9. Page 38. June 3-5. The Omni Shoreham Hotel, Washington, DC.
  35. Wang, C\*. and **Quesada-Pineda, H.J.** 2011. Applying Lean Thinking to the Furniture Engineering Process. Forest Products Society 65th International Convention. Portland, OR. June 18-21. Session 11, Page 60
  36. Sanchez, S\*. and **Quesada-Pineda, H.J.** 2011. Factors Affecting the Wood Pallet Supply Chain Management. Forest Products Society 65th International Convention. Portland, OR. June 18-21. Session 11, Page 61.
  37. Lyon, S\*. and **Quesada-Pineda, H.J.** 2011. A Case Study of the Forest Products Industry in Central America. Forest Products Society 65th International Convention. Portland, OR. June 18-21. Session 11, Page 62.
  38. \*Lyon, S. and **Quesada-Pineda, H.J.** 2010. Market Opportunities for US Forest Products in Central America. 64<sup>th</sup> International Convention of the Forest Products Society. June 19-23. Madison, WI. Page 71.
  39. **Quesada-Pineda, H.J.** Conn, S. and \*Sanchez, S. 2010. A Survey of Educational Needs and Online Training Perceptions in the Wood Products Industry. 64<sup>th</sup> International Convention of the Forest Products Society. June 19-23. Madison, WI. Page 66.
  40. \*Madrigal-Sanchez, J. and **Quesada-Pineda, H.J.** 2010. Innovation Framework for the Wood Products Industry. 64<sup>th</sup> International Convention of the Forest Products Society. June 19-23. Madison, WI. Page 66.
  41. **Quesada-Pineda, H.J.** and \*Madrigal-Sanchez, J. 2010. Measuring Innovation in the Wood Products Industry: A Case Study in Virginia. 64<sup>th</sup> International Convention of the Forest Products Society. June 19-23. Madison, WI. Page 64.
  42. **Quesada-Pineda, H.**, Haviarova, E. and \*Slaven, I. 2009. Application of Value-Added Analysis in the Wood Products Industry: A Case Study in Central America. Forest Products Society 63rd International Convention. SESSION 21: Manufacturing Excellence in the New Millennium. June.
  43. **Quesada-Pineda, H.** and Kline, D.E. 2009. The Wood Enterprise Institute (WEI) Internship: A New Model to Foster Partnerships between Firms and Universities. Conference on Higher Education Pedagogy at Virginia Tech
  44. Haviarova, E., **Quesada, H.**, and R. Gazo. 2008. Competitive Strategies of Furniture Manufacturers. Southern Indiana Network for the Advancement of Manufacturing. Jasper, IN.
  45. **Quesada, H.** 2007. Six Sigma and Lean Thinking Applied to Financial Institutions. 3rd Technology and Financial Congress: Vanguardia Financiera. Marzo. San José, Costa Rica.
  46. **Quesada, H.**, Gazo, R. and Mora-Monge, C. R. 2005. "Determining Key Internal Business Processes through Critical Success Factors: A Methodology and Empirical Illustration". 36th Decision Sciences Institute Meeting. San Francisco, CA.
  47. **Quesada, H.**. 2005. "SMEs and Information Technologies". 9<sup>th</sup> Congreso ASOINGRA. San José, Costa Rica, CA. August.
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48. **Quesada, H.** and Gazo, R. 2005. An Application of the Balanced Scoreboard Procedure: A TQM Approach. ASQ Conference, International Chapter of Costa Rica. March, 2005.
  49. **Quesada, H.**, and Gazo. R. 2005. "A Review of Competitive Strategies and Financial Performance of Furniture Manufacturers."22<sup>nd</sup> IFRU World Congress. Queensland, Australia.
  50. Gazo, R., and **Quesada, H.** 2004. A Review of Competitive Strategies and Financial Performance of Furniture Manufacturers. Manufacturing Competitiveness of the Forest Products Industry: Competing in Today's Global Manufacturing and Consumer Marketplace. New Orleans, LA. Abstracts p. 9.
  51. Gazo, R., **Quesada, H.**, and E. Haviarova. 2004. Best Manufacturing Practices and Their Linkage to Top-Performing Companies in the U.S. Furniture Industry. Manufacturing Competitiveness of the Forest Products Industry: Competing in Today's Global Manufacturing and Consumer Marketplace. New Orleans, LA. Abstracts p. 14.
  52. Gazo, R., **Quesada, H.**, and E. Haviarova. 2004. Financial Ratios and Performance of the Furniture Industry: A Comparison Based on Critical Financial Factors. Manufacturing Competitiveness of the Forest Products Industry: Competing in Today's Global Manufacturing and Consumer Marketplace. New Orleans, LA. Abstracts p. 14.
  53. **Quesada, H.**, and Gazo. R. 2004. "A Benchmarking Approach to Analyze the Relationship Between Best Manufacturing Practices and Performance of U.S. Furniture Manufacturers." 58<sup>th</sup> Forest Products Society Annual. Grand Rapids, MI.
  54. **Quesada, H.**, and Gazo, R. 2003. "Benchmarking study based on critical success factors for Household, Office and Kitchen Cabinet Wood Furniture Industries in US". Forest Products Society 57<sup>th</sup> Annual Meeting, Seattle, WA. Abstracts p.
  55. **Quesada, H.**, and Gazo, R. 2002. "Internal Benchmarking: How Relevant is this for the Wood Industry?" Forest Products Society 56<sup>th</sup> Annual Meeting, Madison, WI. Abstracts p.9

*Published research abstracts in Conferences (\*denotes student)*

1. Bond, B. Espinoza, O. and **Quesada, H.** 2023. Efforts to Expand Markets in the United States for Thermally-modified Wood Produced from Low-value Hardwood Species. Forest Products Society International Conference. June 6-8. Morgantown, WV.
  2. **Quesada, H.** Hardwood Sawmills Capacity to Produce Structural Grade Hardwood Lumber. Poster session. SWST International Convention. August 1-6, 2021. Flagstaff, AZ.
  3. Haviarova, E., Mo, J., and **Quesada, H.** 2020. Products Made of Hardwood CLT-Innovative Modula Furniture and Complimentary Building Products. Poster presented in 74<sup>th</sup> Forest Products Society International meeting. Online Convention. July 27-31.
  4. Gonzalez, J\*., Bond, B. and **Quesada, H.** 2020. Industrial Practices for Thermally-modified lumber. 2020. Poster presented in 74<sup>th</sup> Forest Products Society International meeting. Online Convention. July 27-31.
  5. Pomponi, J\*. **Quesada, H.** Alison, B\*., and Smith, B. 2020. Factors Behind Construction Company's Purchasing Decisions of Wood Products and Insight into how Local (In-State) Wood Product Suppliers can have a Bigger Market Impact. Poster presented in 74<sup>th</sup> Forest Products Society International meeting. Online Convention. July 27-31.
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6. \*Pomponi, J., **Quesada, H.**, and Smith, R. 2019. Factors Behind Construction Company's Purchasing Decisions of Wood Products and Insight into how Local (In-State) Wood Product Suppliers can have a Bigger Market Impact. Poster session. 73rd International Forest Products Society Convention. June 25-28, 2019. Atlanta, GA.
  7. Fallas, P., Quesada, H.J., and Bond, B. 2018. A Supplier Selection Tool and Assessment Model for the Wood Industry: A Case Study in the Wood Fiber Supply Chain. Poster presented in Poster Session 1. SWST joint International Convention. November 5-9, 2018. Nagoya, Japan
  8. Adhikari, S. Quesada, H.J., and Bond, B. 2018. Value Analysis of Appearance-Grading vs Combined Appearance and Stress-Grading for Hardwood Logs. Poster presented in Poster Session 1. SWST joint International Convention. November 5-9, 2018. Nagoya, Japan
  9. Smith, B., Quesada, H.J., and Berger, G. 2018. Incentives and Barriers of Cross-Laminated Timber (CLT) Production and Commercialization. Poster Session 2. SWST joint International Convention. November 5-9, 2018. Nagoya, Japan
  10. Haviarova, E. and Quesada, H.J. 2018. Market Opportunities for US Hardwoods in Eastern Europe. Poster Session 2. SWST joint International Convention. November 5-9, 2018. Nagoya, Japan
  11. Smith, R., Quesada, H.J., and Berger, G. 2018. Drivers and Barriers of Cross-laminated Timber (CLT) Production and Commercialization. 2018 International Mass Timber Conference. Portland, WA. March 20-22. Oregon Convention Center.
  12. \*Tasdemir, C, Gazo, R. And Quesada-Pineda, H. J. 2017. Incorporating lean and green: evolving into a more efficient and responsible manufacturing and logistics state. Poster Presentation. 2017 Division 5.0 IUFRO/SWST joint International Convention. June 12-16, 2017. Vancouver, Canada
  13. \*Liang, L., Quesada-Pineda, H. J., and Smith, B. 2017. Green design of a cellulosic bio-butanol supply chain network. Poster Presentation. 2017 Division 5.0 IUFRO/SWST joint International Convention. June 12-16, 2017. Vancouver, Canada
  14. \*Kakkar, G., Quesada-Pineda, H. J., and Smith, B. 2017. Manufactured wood housing: An industrial alternative to traditional construction. Poster Presentation. 2017 Division 5.0 IUFRO/SWST joint International Convention. June 12-16, 2017. Vancouver, Canada.
  15. Wither, J.,\* and **Quesada-Pineda, H.J.** 2016. Sustainability Factors Leading to Advanced Biofuel (cellulosic) Project Success. 58th Society of Wood Science and Technology Conference. Oral Presentation. Curitiba, Brasil. March 6-10.
  16. Kakkar, G. and **Quesada-Pineda, H.J.** Assessment of pre-fabricated wooden homes as an affordable housing alternative for low income households. 58th Society of Wood Science and Technology Conference. Oral Presentation. Curitiba, Brasil. March 6-10.
  17. Brenes, M\*, and **Quesada-Pineda, H.J.** 2015. Assessing Geographic Information Systems (GIS) in Marketing Applications: A Case of Study in the Wood Products Industry. Proceedings of the 58th International Convention of Society of Wood Science and Technology. June 7-12. Grand Teton National Park, Jackson, WY. Page 456.
  18. Arias, E. \*, **Quesada-Pineda, H.J.** and Smith. R. Analysis of Factors Impacting US Hardwoods Exports to Europe and Asia. 2014. IUFRO Meeting. Poster D5-056. Page 202 of the Conference Proceedings. Salt Lake City, UT. October 4-10.
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19. Arias, E., **Quesada-Pineda, H.J.**, and Smith, R. 2014. Exports of U.S. Hardwood Products: Increasing Performance in Asia and Western Europe. 57th Society of Wood Science and Technology Conference. Poster Presentation. Zvolen, Slovakia. June 22-27, 2014.
  20. **Quesada-Pineda, H.J.**, and Haviarova, E. 2014. Incorporating Experiential Learning and Education for Sustainable Development into Study Abroad Programs. 57th Society of Wood Science and Technology Conference. Poster Presentation. Zvolen, Slovakia. June 22-27, 2014
  21. **Quesada-Pineda, H.J.**, and Bond, B. 2013. A New Online Resource is Available to Help Wood Products Manufacturers Get Research-Based Information on the Design, Production, Management, Marketing and Environmental Impact of Wood Products. 67th International Convention, Forest Products Society, Austin, TX. June 9-11, 2013.
  22. Brenes, M. and **Quesada-Pineda, H.J.** 2013. Current Research in GIS Marketing Applications in the VA Wood Products Industry. Proceedings of the 2013 Forest Product Society International Convention. Poster # 6, page 52. June 9-11. AT&T Hotel and Conference Center, Austin, TX.
  23. Espinoza, O., Smith, R., Lyon, S., **Quesada-Pineda, H.J.**, and Bond, B. 2013. Educational Needs of the Forest Products Industry in Minnesota and Virginia in 2012. Proceedings of the 2013 Forest Product Society International Convention. Poster # 111, page 68. June 9-11. AT&T Hotel and Conference Center, Austin, TX.
  24. Bond, B. and Quesada-Pineda, H.J. .2013. Integrating Lean Manufacturing Techniques and Energy Savings Practices. Proceedings of the 2013 Forest Product Society International Convention. Poster # 89, page 65. June 9-11. AT&T Hotel and Conference Center, Austin, TX.
  25. Madrigal, J\*. and **Quesada-Pineda, H. J.** 2012. An insight in innovation management practices: a case study in wood products, medical devices, and energy generation firms. Proceedings of the 66th Forest Product Society International Convention. Poster # 45, page 74. June 3-5. The Omni Shoreham Hotel, Washington, DC.
  26. Crawford, S\*. **Quesada-Pineda, H. J.**, and Kline, D. E. 2012. Applying Lean Thinking to Reduce Energy Inefficiencies in the Forest Products Industry. Proceedings of the 66th Forest Products Society International Convention. Poster # 46, page 74. June 3-5. The Omni Shoreham Hotel, Washington, DC.
  27. Arias-Blanco, E\*, **Quesada-Pineda, H. J.**, and Smith, R. 2012. Factors Impacting the International Value Chain of Hardwood Products: A comparison between Asia and Western Europe. Proceedings of the 66th Forest Products Society International Convention. Poster # 39, page 73. The Omni Shoreham Hotel, Washington, DC. June 3-5.
  28. Madrigal, J\*. Brenes, M\*, and **Quesada-Pineda, H.J.** 2011. An Insight in Innovation Management Practices: A Case of Study in Diverse Business Sectors. First Interdisciplinary Research Symposium. Graduate Life Center, Virginia Tech. Blacksburg, VA. November 4. Poster 18. Page 15.
  29. Crawford, S\*. and **Quesada-Pineda, H.J.** 2011. Lean Energy: Reducing Energy Waste in the Forest Products Industry. First Interdisciplinary Research Symposium. Graduate Life Center, Virginia Tech. Blacksburg, VA. November 4. Poster 39. Page 16.
  30. Scott, L. and **Quesada-Pineda, H.J.** 2011. Breaking down Barriers: A Survey of Central American Forest Products Retailers and Manufacturers. First Interdisciplinary Research
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Symposium. Graduate Life Center, Virginia Tech. Blacksburg, VA. November 4. Poster 36. Page 16.

31. Sanchez, S\*. and **Quesada-Pineda, H.J.** 2011. Identifying Success Factors in the Wood Pallet Supply Chain. Forest Products Society 65th International Convention. Portland, OR. June 18-21. Poster 80.
  32. Wang, C\*. and **Quesada-Pineda, H.J.** 2011. Applying Lean Thinking to Streamline the Wood Furniture Engineering Process. Forest Products Society 65th International Convention. Portland, OR. June 18-21. Poster 59.
  33. Lyon, S\*. and **Quesada-Pineda, H.J.** 2011. Breaking Down Barriers: Opportunities for Appalachian Forest Products in Central America. Forest Products Society 65th International Convention. Portland, OR. June 18-21. Poster 19.
  34. \*Sanchez, S. and **Quesada-Pineda, H.J.** 2010. Identifying Success Factors for the US Wood Pallet Manufacturers' Suppliers. 64<sup>th</sup> International Convention of the Forest Products Society. June 19-23. Madison, WI. Research Abstract in Poster Session Advances in Wood-Based Materials, Product, and Processes. Tuesday 22. Poster 17. Page 115.
  35. \*Wang, C. and **Quesada-Pineda, H.J.** 2010. Using Design for Manufacturability (DFM) for Custom Furniture Engineering Design. 64<sup>th</sup> International Convention of the Forest Products Society. June 19-23. Madison, WI. Research Abstract in Poster Session Advances in Wood-Based Materials, Product, and Processes. Monday June 21. Poster 62. Page 109.
  36. **Quesada-Pineda, H.**, Gazo, R. and Kline, E. 2009. The Research and Innovation Process in the Wood Products Industry: A Framework to Pursue Competitiveness. Forest Products Society 63rd International Convention. Process/Quality Control. Poster Session. Boise, ID
  37. Haviarova, E., Gazo, R. and **Quesada, H.** 2005. Indiana Wood Products Industry. 59<sup>th</sup> Forest Products International Convention. Quebec, Canada.
  38. **Quesada, H.**, Gamboa, O. and Mora-Monge. Carlo. R. 2005. "Up-Stream Supply Chain Management Issues in High Tech Industries affecting Small and Medium Enterprises in Costa Rica". ASQ Congress. San Jose, Costa Rica.
  39. \*Aguilar, S, Espinoza, C., and **Quesada, H.** R. 2005. "Alignment of ISO 9001-2000 with Company Strategy using the Balanced Scoreboard". ASQ Congress. San Jose, Costa Rica.
  40. **Quesada, H.**, Gamboa, O. and Mora-Monge. Carlo. R. 2004. Supply Chain Management in Costa Rica: 1st Research Symposium VIE-TEC. Cartago, Costa Rica.
  41. Gazo, R., **Quesada, H.**, and E. Haviarova. 2004. Methodology for Identifying Best Manufacturing Practices in the Furniture Industry. Manufacturing Competitiveness of the Forest Products Industry: Competing in Today's Global Manufacturing and Consumer Marketplace. New Orleans, LA. Proceedings pp.
  42. Gazo, R., **Quesada, H.**, and E. Haviarova. 2004. A Review of Competitive Strategies of Furniture Manufacturers. Manufacturing Competitiveness of the Forest Products Industry: Competing in Today's Global Manufacturing and Consumer Marketplace. New Orleans, LA. Proceedings pp.
  43. Gazo, R., **Quesada, H.**, and E. Haviarova. 2004. Critical Financial Factors in the Furniture Industry. Manufacturing Competitiveness of the Forest Products Industry: Competing in Today's Global Manufacturing and Consumer Marketplace. New Orleans, LA. Proceedings pp.
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44. **Quesada, H.**, and Gazo, R. 2004. "Distributional Properties of Financial Ratios and Performance of the Furniture Industry: A Comparison Based on Critical Financial Factors." 58<sup>th</sup> Forest Products Society Annual. Grand Rapids, MI.
  45. **Quesada, H.**, and Gazo, R. 2004. "Plant Closures and Job Cuts in the Primary and Secondary Wood Product Sectors in the U.S." 58<sup>th</sup> Forest Products Society Annual. Grand Rapids, MI.
  46. **Quesada, H.**, and Gazo, R. 2004. "A Benchmarking Approach to Analyze the Relationship Between Best Manufacturing Practices and Performance of U.S. Furniture Manufacturers". 47<sup>th</sup> Society of Wood Science and Technology (Student Poster competition), Grand Rapids, MI.
  47. **Quesada, H.**, and Gazo, R. 2004. "Benchmarking the US Furniture Industry: The Quest for Competitiveness." 14<sup>th</sup> Central Hardwood and Forestry Conference. Wooster, OH.
  48. **Quesada, H.**, and Gazo, R. 2004. "A Benchmarking Approach to Analyze the Relationship Between Best Manufacturing Practices and Performance of U.S. Furniture Manufacturers". 9<sup>th</sup> Research Symposium Forestry and Natural Resources. Purdue University, West Lafayette, IN
  49. **Quesada, H.**, and Gazo, R. 2003. "Benchmarking Study from Publicly Available Sources of Information for the US Furniture Industry." ". 46<sup>th</sup> Society of Wood Science and Technology (Student Poster competition), Seattle, WA
  50. **Quesada, H.**, and Gazo, R. 2003. "Benchmarking Methodology based in Critical Success Factors for the US Furniture Industry. Forestry and Natural Resources." Forest Products Society 57<sup>th</sup> Annual Meeting, Seattle, WA.
  51. **Quesada, H.**, and Gazo, R. 2003. "Benchmarking Methodology based in Critical Success Factors for the US Furniture Industry." 8<sup>th</sup> Research Symposium Forestry and Natural Resources. Purdue University, West Lafayette, IN
  52. **Quesada, H.**, and Gazo, R. 2001. "Low-Technology Production Shop for School Furniture Manufacturing". Forest Products Society 55<sup>th</sup> Annual Meeting, Baltimore, MD. Abstracts p. 44
  53. **Quesada, H.**, Haviarova, E., and Gazo, R. 2001. "Low Capital Investment Production Shop for Manufacturing School Furniture". 6<sup>th</sup> Research Symposium Forestry and Natural Resources. Purdue University, West Lafayette, IN.
  54. Clement, C., **Quesada, H.**, Gazo, R., and R. Beauregard. 2000. "Digitized White Birch Database". 5<sup>th</sup> Research Symposium Forestry and Natural Resources. Purdue University, West Lafayette, IN.
  55. Clement, C., **Quesada, H.**, Gazo, R., and R. Beauregard. 2000. "Digitized White Birch Database, Potential Use in the Furniture Industry". Forest Products Society 54<sup>th</sup> Annual Meeting, South Lake Tahoe, NV. Abstracts p. 48
  56. Clement, C., **Quesada, H.**, Gazo, R., and R. Beauregard. 2000. "Digitized White Birch Database, it's Creation and Use". SWST Student Poster competition, South Lake Tahoe, NV. Abstracts p. 38

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#### PARTICIPATION IN WORKSHOPS AND SHORT COURSES

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Dr. Quesada has organized or presented in **134** credit or workshop courses impacting the knowledge of over **5,000 people** in the areas of process improvement, marketing, and business strategy.

1. Hardwood CLT Updates. September 27, 2024. La Paz, Mexico. Presenter. Invited talk by the Mexican Wood Products Importers Association and the American Export Hardwood Council. Attendance 85.
2. Category 7b Termite Control Training Program. West Lafayette, IN. Presenter. September 18 2024. Attendance 77.
3. Category 12 Wood Destroying Pest Inspection Training Program. West Lafayette, IN. Presenter. April 18 2024. Attendance 73.
4. Category 7b Termite Control Training Program. West Lafayette, IN. Presenter. March 27 2024. Attendance 72.
5. International Training for Purdue ANR Educators. March 2024. Cartago, Costa Rica. Organizer/presenter. Attendance 10.
6. Mass Timber Updates. April 26-27, 2023. Marietta, OH. Invited talk by the Ohio Valley Lumber Drying Association. Attendance 65.
7. International Training for Purdue ANR Educators. March 2023. Cartago, Costa Rica. Organizer/presenter. Attendance 10.
8. Thermally-modified wood training for Architects. October 28, 2021. Rockville, MD Co-organizer/Presenter. Attendance 13.
9. Structural grading for hardwood lumber October 13, 2021. Roanoke, WV. Co-organizer/Presenter. Attendance 15.
10. Opportunities for Hardwood Lumber in Mass Timber. September 29, 2021. Online (IUFRO World Day). Co-organizer/Presenter. Attendance 8
11. New Markets for Hardwoods. September 24, 2021. West Palm Beach, FL. Presenter. Attendance 65
12. 101 Wood Basics/NAWLA. September 11-16, 2021. Corvallis, OR. Co-organizer and presenter. Attendance 43
13. Update on Yellow Poplar CLT initiative to the Appalachian Hardwood Manufacturers (AHMI) Board of Directors. Co-organizer/presenter. August 4, 2021. Greenbrier, WV. Attendance 45.
14. Update on Yellow Poplar CLT initiative to the National Hardwood Lumber Association (NHLA) Board of Directors. Presenter. April 27, 2021. Attendance 15. Online presentation.
15. Category-12 Wood Preservation Recertification. Bond, B., and **Quesada, H.** March 20, 2021. Presenter. Attendance 10. Online presentation.
16. Wood Composites and Engineered Products. 2020. North American Wholesale Lumber (NAWLA) Exchange Online Forum. October 27-29. Presenter.
17. Information Technologies for Supply Chain Management. **Quesada, H.** Industry training for Costa Rica Tech Master of Supply Chain Management. May 25-August 3, 2020. Online short course.

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18. Basics of Thermally-modified wood. **Quesada, H.**, Bond, B., Gonzalez, J., and Edge, K. Virginia Department of Forestry. October 17, 2019. Charlottesville, VA. Attendance: 14.
  19. 101 Wood Basics/NAWLA, Jones, D., Knowles, C., **Quesada, H.J.** (presenter). Virginia Tech. September 9-13, 2019. Corvallis, OR. Attendance: 45.
  20. Experiential Learning for Agroforestry High School Teachers. **Quesada, H.J.**, Mazzola, J., and Sherrard, D. ENCA. August 5-9, 2019. Villa Nueva, Guatemala. Attendance: 146.
  21. Inside Trees: Circular Economy. Quesada, H.J. Virginia Tech. Blacksburg, VA. June 11, 2019. Attendance: 12.
  22. Workshop and Field Demonstration for: Vacuum-Steam Treatment of Logs to Meet Export Requirements. White, M. Bond, B. **Quesada, H.J.** June 5, 2019. Virginia Tech. Blacksburg, VA. Attendance: 15
  23. 101 Wood Basics/NAWLA, Jones, D., Knowles, C., **Quesada, H.J.** (presenter). Virginia Tech. May 20-23, 2019. Blacksburg, VA. Attendance: 24.
  24. Use of Low value Hardwoods for CLT and other Value-added Products in Central Hardwood Region: Part III. Quesada, H.J., and Haviarova, E. April 3, 2018. Purdue University. West Lafayette, IN.
  25. Developing occupational Families for Agroforestry and Agricultural. **Quesada, H.J.**, Ignosh, J. Mazzola, J., and Sherrard. D., ENCA. September 26-28, 2018. Guatemala.
  26. 101 Wood Basics/NAWLA, Jones, D., Knowles, C., **Quesada, H.J.** (presenter). OSU. September 10-13, 2018. Corvallis, OR. Attendance: 45.
  27. VFPA Educational Session. **Quesada, H.J.**, Bond, B., and Bush, R. May 17, 2018. Richmond, VA. Attendance: 20
  28. 101 Wood Basics/NAWLA, Jones, D., Knowles, C., **Quesada, H.J.** (presenter). Virginia Tech. May 21-24, 2018. Blacksburg, VA. Attendance: 36.
  29. Use of Low Value Hardwoods for Cross Laminated Timber and Other Value Added Products in Midwest Hardwood Region. Haviarova, E., **Quesada, H.J.**, and Kuzman, M. April 4, 2018. Purdue University. West Lafayette, IN. Attendance: 13.
  30. 2018 Youth Conservation Camp. Quesada, H. July 12, 2018. Blacksburg, VA. Attendance: 47.
  31. Webinar Series for IUFRO working party 5.04.13. **Quesada, H.J.** (organizer and presenter), Goldrat, M. (presenter), Leavengood, S. (presenter), Huka, A.M. (presenter), and Gisip, J. (presenter). Spring semester 2018.
  32. Production Planning in the Wood Industry. Webinar Series for IUFRO working party 5.04.13. Quesada, H. and others. May 5, 2018. Online. Attendance: 10.
  33. Wood Supply Research Institute Conference. Quesada, H. and Fallas, P. Presenter. April 28, 2018. New Orleans, LA. Attendance: 55.
  34. Wood Procurement. Webinar Series for IUFRO working party 5.04.13. Quesada, H. 20 April 2018. Presenter. Attendance: 8.

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35. Use of Low value Hardwoods for CLT and other Value-added Products in Central Hardwood Region. Quesada, H. and Haviarova, E. Organizer/Presenter. West Lafayette, IN. Attendance: 17
  36. Statistical Process Control. Webinar Series for IUFRO working party 5.04.13. Quesada, H. 20 March, 2018. Online. Presenter. Attendance: 6
  37. Lean Logistics. Webinar Series for IUFRO working party 5.04.13. Quesada, H. February 8, 2018. Presenter. Online. Attendance: 9
  38. Financial Management: NextGen Leaders Learning Session for Hardwood Manufacturers Association (HMA). **Quesada-Pineda, H.J.** (presenter), and Miller, B. (organizer). Online seminar. November 2, 2017. Attendance: 12.
  39. 101 Wood Basics/NAWLA. Ballman, C., Jones, D., Knowles, C., **Quesada-Pineda, H.J.** (presenter). Oregon State University. September 11-14, 2017. Corvallis, OR. Attendance: 40.
  40. Virginia Forest Products Association Annual Convention. Educational Session on Cross-laminated Timber. **Quesada-Pineda, H.J.** (co-organizer and presenter), Hindman, D. (presenter), Chung, T. (presenter), Judd, C. (presenter). September 9, 2017. Norfolk, VA. Attendance: 150
  41. Virginia Loggers Association Annual Meeting. **Quesada-Pineda, H.J.** (Presenter). August 19, 2017. Virginia Tech, Blacksburg, VA. Attendance: 155
  42. Statistical Analysis for Maintenance Programs. Quesada, H. August 21, 2017 and December 4, 2017. Online Class. Attendance: 18
  43. 101 Wood Basics/NAWLA. Ballman, C., Jones, D., Knowles, C., **Quesada-Pineda, H.J.** (co-organizer). Virginia Tech. July 17-20, 2017. Blacksburg, VA. Attendance: 22
  44. Wood Basics for American Woodmark. **Quesada-Pineda, H.J.** (presenter). Bond, B. (organizer), and Buehlmann, U. (presenter). Virginia Tech. Blacksburg, VA. Attendance: 6.
  45. Biomass Power Plant Demonstration. **Quesada-Pineda, H.J.** (organizer), Adhikari, S. (presenter). July 17, 2017. Blacksburg, VA. Attendance: 23
  46. Opportunities for an Agroforestry Technical Education and Vocational training (ATVET) teacher certification program in Central America. **Quesada-Pineda, H.J.** (co-organizer and presenter), Ignosh, J. (co-organizer and presenter) Criscenti, J. (co-organizer), and Williams, R. (co-organizer). April 26-27, 2017. USAID funded workshop. EARTH University. Guacimo, Costa Rica. Attendance: 45
  47. Using Cross Laminated Timber for Building Construction. **Quesada-Pineda, H.J.** (co-organizer and presenter), Camacho, D. (co-organizer and presenter), Hindman, D. (presenter), Judd, C. (presenter), and Chung, T (presenter). April 20, 2017. Costa Rica Tech. Zapote, San Jose. Attendance: 75
  48. Earth Week: Biomass Power Plant Demonstration. **Quesada-Pineda, H.J.** and Kakkar, G. Drill field at Virginia Tech. Blacksburg, VA. Attendance 25
  49. Lunch and Learn Series. Haviarova, E. and **Quesada-Pineda, H.J.** April 3, 2017. Vincennes University. Jasper, Indiana. Attendance: 12

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50. Wood identification. Haviarova, E. and **Quesada-Pineda, H.J.** April 1, 2017. Purposeful Design. Indianapolis, Indiana. Attendance: 25
  51. Lean Logistics. **Quesada-Pineda, H.J.** Online extension class to Master students of Costa Rica Tech. January to May, 2017. Class met once a week for 1 hour. Attendance: 16
  52. Mechanical, Acoustic, and Fire Properties of Southern Pine Cross-Laminated Timber. **Quesada-Pineda, H.J.**, Hindman, D., Boulding, J. and Loferski, J. August 23, 2016. IWF Trade Show Educational Session. Atlanta, GA.
  53. India Trade Lumber Buyer's mission. **Quesada-Pineda, H.J.**, Bond, B., Buehlmann, U. and Smith, R. August 22. Blacksburg, VA. Attendance: 8
  54. Lean Logistics. **Quesada-Pineda, H.J.** Online extension class to Master students of Costa Rica Tech. May to August, 2016. Class met once a week for 1 hour. Attendance: 22
  55. Governors School Training. **Quesada-Pineda, H.J.** and Withers, J. June 27-30, 2016. Blacksburg, IN. Public demonstration of bioenergy to High School Students.
  56. VFPA Educational Session. Quesada-Pineda, H.J., Bond, B., Hindman, D., Buehlmann, U. Araman, P. and Snow, M. May 12, 2016. Richmond, VA. Attendance: 13
  57. Earth Week: Biomass Power Plant Demonstration. 2016. **Quesada-Pineda, H.J.** and Withers, J. April 18, 2016. Blacksburg, IN. Public demonstration to VT students.
  58. Lunch and Learn Series: Sustainable Product Development and Lean Logistics. 2016. Haviarova, E., and **Quesada-Pineda, H.J.** April 4. Jasper, In. Attendance: 12.
  59. Carr Symposium on Innovative Use of Wood. 2016. Bond, B. (co-chair) and **Quesada-Pineda, H.J.** (co-chair). Organizing committee: Hindman, D. Parrott, K., Ishida, A., and Loferski, J. March 18-21, 2016. Blacksburg, VA. Attendance 81.
  60. Secondary Processing in the Hardwood Industry. **Quesada-Pineda, H.J.**, 2015. Cochran Fellows Programs by USDA-FAS. Brooks Forest Products Center, Virginia Tech. Blacksburg, VA. December 7-11. Attendance 9.
  61. Multivariate Statistical Analysis. **Quesada-Pineda, H.J.**, 2015. Hybrid class. PhD Business Program at Costa Rica Tech. October 12-December 12. Total of 25 hours of instruction. Attendance: 18.
  62. Lean Logistics. **Quesada-Pineda, H.J.**, 2015. Online class for the Master Program in Supply Chain Management at Costa Rica Tech. May 15 to August 4. Total of 14 hours of instruction. Attendance: 32.
  63. Lean Management. **Quesada-Pineda, H.J.** 2015. Hotel Marriot. Santo Domingo, Dominican Republic. June 25-26. Attendance 32.
  64. Earth Week: Biomass Power Plant Demonstration. 2016. **Quesada-Pineda, H.J.** and Withers, J. April 20, 2015. Blacksburg, IN. Public demonstration to VT students.
  65. Wood Product Supply and Demand for Appalachian Green Construction Markets. DeVallance, D. (organizer), **Quesada-Pineda, H.J.** (presenter). WERC. April 16, 2015. Princeton, WV. Attendance: 16



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66. What fuels our Planet? Panel on Clean Energy. Ekkad, S., Blanton, J., Hirsh, R., **Quesada-Pineda, H.J.**, and Haghghat, A. 2015. VT Alumni Association. The Inn, Blacksburg, VA. March 21, 2015. Attendance 81.
  67. Fifth Innovation-based Manufacturing workshop. **Quesada-Pineda, H.J.** (co-organizer), Camelio, J. (co-organizer). Fralin Auditorium, Virginia Tech. Blacksburg, VA. December 5, 2014. Attendance 38.
  68. Biomass Syngas for Electricity Production. **Quesada-Pineda, H.J.**, Caudill, R. and Withers, J. Blacksburg, VA. December 15-17. 2014. Attendance 2.
  69. Energy Savings Through Lean Thinking. **Quesada-Pineda, H.J.** (organizer), Kline, E., Arias, E., Teed, N., and Howard, H. Marion, VA. November 20, 2014. Attendance: 14
  70. International Marketing for Forest Products. **Quesada-Pineda, H.J.**, Smith, R., Arias, E., Bumgardner, M. Memphis, TN. December 12. 2014, Attendance 12
  71. Strategic Marketing for Forest Products Industries. Instructor. **Quesada-Pineda, H.J.** (Organizer/presenter). Location. Costa Rica Tech Campus, Cartago, Costa Rica. Dates: July 7-8, 2014
  72. Financial Management for Forest Products Businesses. Instructor: **Quesada-Pineda, H.J.** (presenter/organizer). Location: Four Points Sheraton Hotel. Richmond, VA. Dates: May 15, 2014. Attendance: 22.
  73. Statistical Process Control for Sawmills. Instructor: **Quesada-Pineda, H.J.** (presenter/organizer). Location: Zapote, Costa Rica. Dates: March 19, 2014. Attendance: 20.
  74. Financial Management for Sugar Cane Farmers. Instructor: **Quesada-Pineda, H.J.** (presenter). Location: Orange Walk, Belize. Dates: December 3-5, 2013. Attendance: 110.
  75. National Hardwood Lumber Association (NHLA) Grading short course. Instructor: Richards, B. and **Quesada-Pineda, H.J.** (translator). Location: Culpeper, VA. Dates: November 15-17, 2013. Attendance: 22.
  76. Fourth Innovation-based Manufacturing workshop. Instructor: **Quesada-Pineda, H.J.** (co-organizer), Camelio, J. (co-organizer), Reynolds, E., Brooke, R., and Schlaepfer, C. Location: The Inn at VT. Blacksburg, VA. Dates: November 7, 2013. Attendance: 51.
  77. Transforming Cellulosic Waste to Energy. Presented at the 37th Annual Fall Forestry and Wildlife Field Tours 2013 (The Bus Tours). Instructor: **Quesada-Pineda, H.J.**, and Withers, J. Location: Critz, VA. Dates: October 15, 2013. Attendance 16.
  78. Sustainability and Innovation in the Wood Products Industry. Instructor: **Quesada-Pineda, H.J.**, Haviarova, E., and Gazo, R. Location: Zapote, Costa Rica. Dates: March 22, 2013 (Attendance 75).
  79. Conference. Future of Diversity in Our Disciplines and Careers: Natural Resources and the Environment. Instructor: Winistorfer, P. (Chair). Organizing committee members: Smith, R., Fromping, E., Shao, Y., and **Quesada-Pineda, H.J.** Location: The Inn at VT. Blacksburg, VA. Dates: June 19-21, 2013. Attendance: 105.
  80. Cost Allocation. Instructor: **Quesada-Pineda, H.J.** (co-organizer and presenter). Location: Sarchi, Costa Rica. Dates: March 19, 2013 (Attendance 22).

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81. Financial Management for Sugar Cane Farmers. Instructor: **Quesada-Pineda, H.J.** (presenter). Location: Orange Walk, Belize. Dates: December 3-5, 2013. Attendance: 110.
  82. International Trade and Marketing for Forest Products Industry. Instructor: Haviarova, E. (co-organizer and presenter), **Quesada-Pineda, H.J.** (co-organizer and presenter), Cooper, M., Seidl, M., and Klinger, S. Location: Vincennes University. Jasper, IN. Dates: May 28. Attendance: 18.
  83. Biomass-based syngas power plant demonstration. Instructor: **Quesada-Pineda, H.J.** Location: brooks Center. Blacksburg, VA. Dates: February 5, 2013. Attendance 5.
  84. Fourth Innovation-based Manufacturing workshop. Instructor: **Quesada-Pineda, H.J.** (co-organizer), Camelio, J. (co-organizer), Reynolds, E., Brooke, R., and Schlaepfer, C. . Location: The Inn at VT. Blacksburg, VA. Dates: November 7, 2013. Attendance: 51.
  85. National Hardwood Lumber Association (NHLA) Grading short course instructors: Richards, B. and **Quesada-Pineda, H.J.** (translator). Location: Culpeper, VA. Dates: November 15-17, 2013. Attendance: 22.
  86. Biomass power plant demonstration. Instructor: **Quesada-Pineda, H.J.** Location: Brooks Center. Blacksburg, VA. Dates: February 27, 2013. Attendance 13.
  87. Innovation in Manufacturing Conference. Instructor: **Quesada-Pineda, H.J.** (member of organizing committee, session moderator). Location: Roanoke, VA. Dates: April 22-23. Organized by the Office of Economic Development at Virginia Tech. Attendance: 85.
  88. Introductory RetScreen Training Workshop. Instructor: Ignosh, J. (organizer), **Quesada-Pineda, H.J.** (presenter) . Location: Ronoake, VA. Dates: December 5, 2012. Attendance 12.
  89. Third Innovation-based Manufacturing Workshop. Instructor: **Quesada-Pineda, H.J.** (co-organizer), Camelio, J. (co-organizer), Sparks, E., Cochran, D., and Jackson, M. . Location: Graduate Life Center (GLC), Virginia Tech. Blacksburg, VA. Dates: November 13, 2012. Attendance 42.
  90. In house training: 5s program. Instructor: Leonard, T., **Quesada-Pineda, H.J.**, Arias, E. Location: Augusta Lumber. Waynesboro, VA. Dates: May 31, 2012. Attendance: 108.
  91. Biomass-based syngas power plant demonstration. Instructor: **Quesada-Pineda, H.J.** Location: Brooks Center. Blacksburg, VA. Dates: December 18, 2012. Attendance 4.
  92. Wood Products: Challenges and Opportunities in Costa Rica. Instructor: **Quesada-Pineda, H.J.** (co-organizer), Moya, R. (co-organizer), Saenz, M. and Camacho, D. Location: Regional office of the Ministry of Environment, Energy, and Telecommunications. Hojancha, Costa Rica. Dates: March 6 and March 15, 2012. Attendance 25.
  93. Lean Management for Service Industries. Instructor: **Quesada-Pineda, H.J.** Location: Intercontinental Hotel. Santo Domingo, Dominican Republic. Dates: April 12, 13, and 14, 2012. Attendance 29.
  94. Buying into Sustainability. Instructor: **Quesada-Pineda, H.J.** (co-organizer and presenter), Haviarova, E. (co-organizer and presenter). Location: Vincennes University. Jasper, IN. Dates: October 4, 2012. Attendance 32.

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95. Business Process Management. Instructor: **Quesada-Pineda, H.J.** (co-organizer and presenter). Location: Hotel San Jose Palacio. San Jose, Costa Rica. Dates: July 26-27, 2012. Attendance 17.
  96. Maintaining a sustainable business in today. Instructor: Brian Bond, **Henry Quesada-Pineda**, Earl Kline, and Urs Buehlmann. Location: Richmond, VA. Dates: May 17, 2012 (9 in attendance).
  97. Energy Saving using Lean Thinking. Attendance 7. ONLINE COURSE. Instructor: **Quesada-Pineda, H.J.** (Organizer). In cooperation with the Costa Rican Industry Chamber. Location: Blacksburg, VA. Dates: March 24, 31 and April 7 2011.
  98. Annual Meeting of the Center for Forest Products Business. Instructor: Smith, R. and **Quesada-Pineda, H.J.** (Organizers). Other speakers: Kline, D.E., Espinoza, O., Caudill, L., Chao, W., Schmitt, M., Sanchez, S. and Lyon. S. Location: Brooks Center. Blacksburg, VA. Attendance 25. Dates: March 31, 2011.
  99. Energy Saving using Lean Thinking. Attendance 18. Instructor: **Quesada-Pineda, H.J.** (co-organizer), Dwivedi, S. (co-organizer), Espinoza, O., Walls, S. (Masco Cabinetry) and Gill, T. (Enernoc). Location: Hotel Hilton Garden Cajundome, Lafayette, LA. Dates: January 24-25, 2011.
  100. Lean Management. Instructor: **Quesada-Pineda, H.J.** Location: San Jose Palacio Hotel. San Jose, Costa Rica. Dates: July 20, 21, and 22, 2011. Attendance 28.
  101. Supply Chain Management: Trends and Opportunities. Instructor: **Quesada-Pineda, H.J.** (co-organizer and presenter), Sobotka, D (Purdue University, co-organizer), Haviarova, E. (Purdue University, co-organizer and presenter), Kline, D.E. (presenter), Espinoza, O. (presenter), and Dugan, D. (GE, presenter). Location: Vincennes University. Jasper, IN. Attendance 26. Dates: May 17, 2011.
  102. Lean Management. Instructor: **Quesada, H.J.** Location: Courtyard Hotel, Santo Domingo, Dominican Republic. 31 Participants. Dates: June 9, 10, and 11.
  103. International Marketing for Forest Products Industries. Instructor: **Quesada-Pineda, H.J.** (Organizer and speaker), Smith, R., Lyon, S., Snow, M., Stopha, J., and Strayhorn, J. Location: Virginia Department of Forestry. Charlottesville, VA. Attendance 16. Dates: June 14, 2011.
  104. Business Process Management. Instructor: **Quesada-Pineda, H.J.** Location: AyA Recreational Facilities. Coronado, Costa Rica. Dates: July 19, 2011. Attendance 61.
  105. Second Innovation based-Manufacturing workshop. Instructor: **Quesada Pineda, H.J.** (co-organizer), Camelio, J. (co-organizer), Ranga, M. (Stanford University), Woods, D (Association for Manufacturing Technology), Christy, W. (Verium Diagnostics), Sayre, S. (Sayre Enterprises), Flowers, J. (VTKnowledgeWorks), Provo, J. (Virginia Tech), Bolesta, P. (GenEdge), and Williams, C. (Virginia Tech). Location: Graduate Life Center, Virginia Tech. Blacksburg, VA. Dates: November 8, 2011. 70 Participants.
  106. Business Innovation: Strategies to Retool for Success. Instructor: **Quesada-Pineda, H.J.** (invited speaker). Location: AWI Annual Meeting. Westin Hotel. Charlotte, NC. Dates: October 28.
  107. Life Cycle Analysis. <sup>SEP</sup>Instructor: Zhao, F. Haviarova, E., and **Quesada-Pineda, H.J.** Location: Vincennes University. Jasper, IN. Dates: October 13, 2011. Attendance: 12.

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108. Process Improvement Frameworks. Attendance 14. Instructor: **Quesada-Pineda, H.J.** (organizer), Kline, D.E, Camelio, J., Russell, R. and Madrigal, J. Location: Brooks Center. Blacksburg, VA. Dates: October 22, 2010.
109. Sustainability and Green Markets. Attendance 22. Instructor: **Quesada-Pineda, H.J.** . Location: Beyond Our Borders: Building Awareness of International Forestry. Allegheny SAF 2010 Winter meeting. Roanoke, WV. Dates: February 16-18.
110. Innovation-based Manufacturing. Attendance 48. Instructor: **Quesada-Pineda, H.J.** (co-organizer), Camelio, J (co-organizer)., Lane, J. (NSF), Hackler, D. (IEDC), James, A. (Siemens), Mahajan, R. (VT/ICTAS), and Vicente-Gomila, J.M (TRIZ XXI/UPV). Location: The Inn at VT. Blacksburg, VA. Dates: November 11, 2010.
111. International Marketing for the Kentucky Wood Products Industry. Sponsored by WERC, and University of Kentucky. Attendance 16. . Instructor: **Quesada-Pineda, H.J.** (organizer), Fackler, C. (organizer), Lowe, L. (organizer), Smith, B. and others. . Location: London, KY. Dates: April 1, 2010.
112. Energy Saving using Lean Thinking. Attendance 23. Instructor: **Quesada-Pineda, H.J.** (organizer), Kline, E. Tyler, G. Webber, M. and Walls, S. Location: South Boston, VA. Dates: September 10, 2010.
113. Lean Thinking Principles. Attendance 14. Instructor: **Quesada-Pineda, H.J.** (organizer), and Madrigal, J. Location: The Inn at VT. Blacksburg, VA. Dates: July 12, 2010.
114. Lean Thinking Principles. Attendance 15. Instructor: Wang, C. (Organizer) and **Quesada-Pineda, H.J.** Location: Tianjin, China. Dates: August 10, 2010.
115. Strategic Frameworks. Attendance: 18. Instructor: **Quesada-Pineda, H.J.** (organizer), Kline, D.E., and Bush, R. Location: Richmond, VA. Dates: May 20, 2010.
116. The Wood Products Industry in Costa Rica: Opportunities and Challenges towards the New Millennium. Sponsored by USDA/FSMIP, Ministry of Science and Technology of Costa Rica and Rainforest Alliance. Attendance 65. Instructor: **Quesada-Pineda, H.J.** (organizer), Moya Roque, R. (organizer), Smith, R., Bond, B., Lyon, S. and others. Location: San Jose, Costa Rica. . Dates: March 4-5, 2010.
117. Business Process Management. Instructor: **Quesada-Pineda, H.J** (organizer). Location: Online CEU course. Dates: Open enrollment.
118. Increasing Marketing Opportunities by Wood Products Certification. Instructor: **Quesada-Pineda, H.J.** Location: Investing in Sustainable Forestry Workshop. Roanoke Higher Education Center. Roanoke, VA. Dates: July 15.
119. International Marketing for Forest Products Industries. Attendance 33. Instructor: **Quesada-Pineda, H.J** (co-organizer), Haviarova, E (co-organizer), Smith, R., Bumgardner, M., Seidl, M., and Cooper, M. Location: Jasper, IN. Dates: October 8, 2009.
120. Online distance continuing education course in Business Process Management. Sponsored by Institute of Distance and Distributed Learning (IDDL) and Costa Rica Tech. Attendance 22. Instructor: **Quesada-Pineda, H.J.** Location: Blacksburg, VA. Dates: June 8, 2009.
121. International Marketing for Forest Products Industries. Attendance 16. Instructor: **Quesada-Pineda, H.J** (organizer), Smith, B., Schuler, A., Stopha, J. and Fellhofer, J. Location: Princeton, WV. Dates: October 20.

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122. ABC of Cost Management. Instructor: **Quesada-Pineda, H.J** (organizer). Location: Online CEU course. Dates: Open enrollment.
123. Supporting Hardwood Exports to India. Organized by **Quesada-Pineda, H.J.** Sponsored by the Virginia Department of Agriculture and Consumer Services (VDACS) and the Department of Wood Science and Forest Products at Virginia Tech. Attendance 6. Instructor: Quesada Pineda, H.J. (organizer), Winistorfer, P., Kline, E., Hindman, D., Bolding, C., Rupert, R., Bond, B., and Perkins, B. Location: Blacksburg, VA. Dates: June 3, 2009.
124. Business Process Management. Sponsored by Costa Rica Tech. Attendance 38. Instructor: **Quesada-Pineda, H.J.** (organizer), Mora-Monge, C. (New Mexico State University), Martinez, P. (Columbus IT), and Arroyo, R. (BD Consultores). Location: San Jose, Costa Rica. Dates: July 21-22, 2009.
125. Lean Thinking Series. Sponsored by PROCOMER. Attendance 55. Instructor: **Quesada-Pineda, H.J.** and Meneses, M. (Costa Rica Tech). Location: Ciudad Quesada, Costa Rica. Dates: April 19, 2007.
126. Lean Thinking Series. Sponsored by PROCOMER. Attendance 18. Instructor: **Quesada-Pineda, H.J.** Location: Cañas, Costa Rica. Dates: August 16, 2007.
127. Lean Thinking Series. Sponsored by PROCOMER. Attendance 15. Instructor: **Quesada-Pineda, H.J.** Location: Puntarenas, Costa Rica. Dates: July 12, 2007.
128. Supplier Exchange Forum 2 (SEF2) organized by PROCOMER. Attendance 566. Instructor: **Quesada-Pineda, H.J.** Invited as Expert of the Day in Supply Management Issues. Location: San Jose, Costa Rica. Dates: November 5-7, 2007.
129. Lean Thinking Series. Sponsored by PROCOMER. Attendance 25. Instructor: **Quesada-Pineda, H.J.** and Meneses, M. (Costa Rica Tech). Location: Limon, Costa Rica. Dates: June 8, 2007.
130. Lean Thinking Series. Sponsored by PROCOMER. Attendance 32. Instructor: **Quesada-Pineda, H.J.** and Picado, F. (Costa Rica Tech). Location: Perez Zeledon, 2007. Dates: May 24, 2007.
131. Logistics and Supply Chain Management. Sponsored by Banco Nacional de Costa Rica. Attendance 12. Instructor: **Quesada-Pineda, H.J.**, Aguilar, E. (PCI S.A.), Corrales, O.M. (Costa Rica Tech). Location: San Ramon, Costa Rica. Dates: June 16, 2005.
132. Lean Manufacturing. Sponsored by PROCOMER. Attendance 45. Instructor: **Quesada-Pineda, H.J.** Meneses, M. (Costa Rica Tech), Rodriguez, M. (Burns Inc), Chaves, L. (Burns Inc.) and Chacon, A. (Polycom). Location: San Jose, Costa Rica. Dates: November 17, 2005.
133. Quality Systems. Organized by **Quesada-Pineda, H.J.** Sponsored by Banco Nacional de Costa Rica. Attendance 45. Instructor: Ramirez, O. (Electroplast S.A.), Meneses, M. (Costa Rica Tech). Location: Heredia, Costa Rica. Dates: May 17, 2005.
134. Business Strategy for Small and Medium Enterprises. Sponsored by Banco Nacional de Costa Rica and Costa Rica Tech. Attendance 22. Instructor: **Quesada-Pineda, H.J.** Carvallo, A. (AEC) and Anderson-Gutierrez, M. (Costa Rica Tech) . Location: San Jose, Costa Rica. Dates: April 12, 2005.

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## EXTENSION AND TRADE JOURNAL PUBLICATIONS

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1. Brindlley, C. 2023. Green = Lean: Lean Manufacturing Roundtable Explores Ways to Cut Costs and Eliminate Waste in Pallet Operations. Pallet Enterprise. September issue.
2. **Quesada, H.** Adhikari, S., and Smith, R. 2022. Glue-laminated timber. CNRE151NP. Virginia Cooperative Extension
3. **Quesada, H.** Adhikari, S., and Smith, R. 2022. Structural Composite Lumber. CNRE152NP. Virginia Cooperative Extension
4. **Quesada, H.** Adhikari, S., and Smith, R. 2022. Cross-laminated timber. CNRE143NP. Virginia Cooperative Extension
5. Brindlley, C. 2020. Can Lean Manufacturing work in a post COVID-19 World? Pallet Enterprises. September. Interview to **Quesada, H.**
6. Fallas, P\* and **Quesada, H.** 2019. Lean Thinking Tools Can Help Loggers and Sawmills Decrease Waste. TimberLine Magazine. August. Available at <https://www.timberlinemag.com/2019/08/lean-thinking-tools-can-help-loggers-sawmills-decrease-waste/>
7. **Quesada, H.J.,** Fallas, P., and Navarro, N. 2018. Wasted Motion The Basics of Conducting a Motion Time Assessment at Your Facility. Pallet Enterprise. April.
8. **Quesada-Pineda, H.J.,** and Brindley, C. 2017. Lean Manufacturing Begins with an Effective Plant Audit. Pallet Enterprise. September.
9. Monroe, L. 2016. (Interview to **Quesada-Pineda, H.J.**). Lean thinking and Automation. Pallet Enterprises.
10. **Quesada-Pineda, H.J.,** and Arias, E. 2015. Statistical Process Control: Applications and Examples for Forest Products Industries. Virginia Cooperative Extension. ANR-140NP.
11. **Quesada-Pineda, H.J.,** and Bond, B. 2015. Lean Strategy: How Costly Is Keeping Too Much Inventory? Pallet Enterprise. April.
12. Hanson, C. 2013 (Interview to **Quesada-Pineda, H.J.** 2013. Rise of the Portables. Biomass Magazine. July, pp. 1-2.
13. Coker, C. 2013. Portable Biomass Gasifier. BioCycle. April ( Press release on **Quesada-Pineda, H.J.**).
14. **Quesada-Pineda, H.J.,** and Bond, B. 2012. Integrating Lean Manufacturing Techniques and Energy Saving Practices Boosts Productivity and Cuts Costs. Pallet Enterprise. November.
15. **Quesada-Pineda, H.J.** and Lyon, S\*. 2012. Marketing profile for the Importing of Wood Products in Central America. Investiga Tec. 5(13):11-13.
16. Sanchez, S\*, and **Quesada-Pineda, H. J.** 2012. Survey Provides Snapshot of U.S. Pallet Industry. Pallet Enterprise. February, pp. 46-49.
17. \*Sanchez, S., and **Quesada-Pineda, H. J.** 2011. Profiling of the U.S. Wood Pallet Supply Chain. Center for Forest Products Business. Virginia Tech. Fall.

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18. **Quesada-Pineda, H.J.** and Buehlmann, U. 2011. Lean Thinking: Examples and Applications in the Wood Products Industry. Virginia Cooperative Extension (Peer-reviewed article 420-002) November, pp. 1-15.
  19. **Quesada-Pineda, H.J.** 2011. Buying into Sustainable Innovation Management. Hardwood Market Report (HRM) Executive 5(10):1-3
  20. **Quesada-Pineda, H.J.**, and Buehlmann, 2011. Lean Thinking Part III: The Fundamental Blocks of Lean Value: Stream Mapping Leads to Simpler, More Cost Efficient Processes. Pallet Enterprise. March, pp. 12-16.
  21. **Quesada-Pineda, H.J.** 2010. The ABCs of Cost Allocation in the Wood Products Industry: Applications in the Furniture Industry. Virginia Cooperative Extension (Peer-reviewed article # 420-147). September, pp. 1-11.
  22. **Quesada-Pineda, H.J.** 2010. Lean Inventory Management in the Wood Products Industry: Examples and Applications. Virginia Cooperative Extension (Peer-reviewed article # 420-148). September, pp. 1-8.
  23. **Quesada-Pineda, H. J.** and U. Buehlmann. 2010. Lean Thinking Part II: The Fundamental Blocks of Lean. Pallet Enterprise. Trade Journal Publication. October 2010. 34-38
  24. **Quesada-Pineda, H.J.** and Buehlmann, U. 2010. Lean Thinking Part I: Understanding the Lean Thinking Process. Pallet Enterprise. Trade Journal Publication. August 2010.18-24.
  25. **Quesada-Pineda, H.J.** and Meneses-Guzman, M. 2010. Evaluation of a Success Business Model for Small and Medium Enterprises. Investiga Tec. 3(9): 4-5.
  26. **Quesada-Pineda, H.J.** 2010. Improving Your Business Process 10: A Guide to Major Frameworks. Pallet Enterprise. June. Pages 32-34.
  27. **Quesada-Pineda, H.J.** 2010. Business Process Management (BPM) Leads to Increased Customer Service and Profitability Levels. Hardwood Market Report (HMR) Executive. 4(3). March.
  28. Lyon, S., **H. J. Quesada-Pineda**, and R. Smith. 2010. Opportunities for Virginia Forest Products Companies in Central America. Research Update for the Center for Forest Products Business at Virginia Tech. July.
  29. **Quesada-Pineda, H.J.** 2008. Business Process Management: A New Approach to Realign your Processes. Costa Rica Institute of Technology. Investiga Tec. 1(3).

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#### **OTHER PERTINENT ACTIVITES**

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*Invitations to Panels, Round Tables, Committees, and Distinguish Focus Groups, Contributions to Diversity, University Meetings Organized, International Collaboration*

1. 2024. Worked with the Office of the Indiana State Chemist (OISC) to increase number of testing sites for the paper-based core pesticide test for plain communities.
  2. 2023. Worked with the Office of the Indiana State Chemist (OISC) to translate and implement the Spanish version of the core pesticide test.
  3. Hardwood CLT panel discussion. 2022. Panel organized at the National Hardwood Lumber Association Annual Convention. Cleveland, OH. Panel organizer. September 21-23. Attendance 120.
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4. Society of Wood Science and Technology (SWST) Annual Convention. 2022. Peppers Salt Resort & Spa. Kingscliff, Australia. Convention chair. July 10-15. Attendance 350.
  5. Indiana Hardwood Lumber Association (IHLA). 2020. Opportunities for Hardwood Lumber in Eastern Europe. February 3-5. Marriot Hotel. Indianapolis, IN. Invited presentation.
  6. Strategic Meeting for the Consortium of Research on Renewable Industrial Materials (CORRIM). 2020. January 20-22. University of Washington. Seattle, WA.
  7. **Quesada, H.J.**, and Fallas, P. 2018. Wood Research Supply Institute. Presentation of project's results to the Board of Directors. April 18, 2018. New Orleans, LA.
  8. **Quesada-Pineda, H.J.**, and Smith, R. 2016. The Department of Sustainable Biomaterials at Virginia Tech. College of Material Sciences and Technology. Beijing Forestry University. Beijing, China. November 12, 2016.
  9. **Quesada-Pineda, H.J.** 2016. Vocational Training Modules in Agroforestry: A Case Study in Nicaragua. FNR- Graduate Student Seminar. Pfendler Hall, room 241. Purdue University. April 5. West Lafayette, IN
  10. 2014. Department of Wood, Cellulose and Paper. University of Guadalajara. Guadalajara. Mexico. September 26-October 4, 2014. *Invited research collaboration.*
  11. **Quesada-Pineda, H.J.**, and Haviarova, E. 2014. Life Cycle Assessment in the Wood Products Industry. Professional College of Engineers and Architects. Curridabat, Costa Rica. March 17, 2014. Attendance: 35.
  12. 2012. I2E2 Stakeholder meeting. Invited by the South Boston Virginia Higher Education Center. April 19, 2012.
  13. 2012. Study Abroad Opportunities in Costa Rica. FNR 230-The World's Forests and Society. Department of Forestry and Natural Resources. School of Agriculture. Purdue University. October 4. West Lafayette, IN. *Invited Lecture.*
  14. 2011. Invited Conference Speaker. Business Innovation: Retooling for Success. Annual Meeting of the Architectural Woodworking Institute. Westin Hotel. Charlotte, NC. October 28, 2011.
  15. 2010. Analysis of the Mexican National Report on Forest Products Communities. Mexico D.F, Mexico. September.
  16. 2010. Strategic Review Expert. FPinnovations Strategic Review. Quebec City, Canada.
  17. 2009. Roundtable to Discuss the 2010 Forest Sustainability Report. March. Washington, DC., USA.
  18. 2008. Business Opportunities for US Wood Products in Central America. Invited as a Guest Speaker for FNR-479 at Purdue University, Indiana, USA. December.
  19. 2008. Small and Medium Enterprises and their Relationship with Foreign Direct Investment. Key note speaker on XI Entrepreneurship Conference. El Salvador, August.
  20. 2007. Lean Supply Chain in Wood Products Manufacturing: A case of study in Central America. Invited as guest speaker for class FNR-479 at Purdue University, Indiana, USA. December
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21. 2007. Supplier Exchange Forum II. Invited as Expert of the Day. Procomer. San José, Costa Rica. October.
  22. 2006. Cultural Competence and Global Competitiveness: An Education Approach. Research Project Funded by the United States Department of Agriculture. Invited as speaker to promote Indiana Hardwoods in the Central American Region. Purdue University. Indiana, USA
  23. 2005. Drawing the Key Variables of the Future of Furniture Sector. Invited to round table. Raleigh, NC, USA
  24. 2005-2008. National Strategy for Education, Science and Technology: A 50 year vision. Project founded by CRUSA Foundation. Manufacturing Systems Group Coordinator.  
[www.ecyt.ac.cr](http://www.ecyt.ac.cr)
  25. 2005. "Mesa Redonda: Calidad y Productividad en la Industria Gráfica". 2005. 9<sup>th</sup> Congreso ASOINGRA. San José, Costa Rica.
  26. 2003. Benchmarking Methodology based in Critical Success Factors for the US Furniture Industry. Invited as a speaker for the Faculty of Forestry, Laval University. Quebec, Canada.
  27. 1998. Understanding the Vocational Training System in Taiwan. Invited as an observer of the vocational educational training system. Kaohsiung, Taiwan.

*University meetings, panels, workshops, etc., led or organized*

1. ANR Retreat. November 20-21 2024. Beck Center. West Lafayette, IN. Organizer/presenter. Attendance 155
2. Circular Economy Workshop. Nashville, IN. Pre-conference workshop at the IEEE annual meeting. April 2024. Organizer. Attendance 10.
3. ANR Retreat. November 16-17, 2023. Beck Center. West Lafayette, IN. Organizer/presenter. Attendance 150
4. ANR Retreat. November 15-16, 2022. Beck Center. West Lafayette, IN. Organizer/presenter. Attendance 160.
5. 2010 to 2015. Co-organizer of the **Innovation-based Manufacturing** workshop through the Center for Innovation-based Manufacturing at Virginia Tech. Annual workshop.

*International Collaborations*

1. 2022 to date. Costa Rica Institute of Technology. Partnership to deliver professional development for Extensionists.
  2. 2018-2020. Curriculum design and experiential learning training. Partnering with GOPA and EARTH University. **Guatemala.**
  3. 2018 to date. Hardwood Cross laminated timber global initiative. Sponsorship by the American Hardwood Export Council. Visits to England and Scotland in 2018 and Mexico in 2024.
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4. 2018. Collaboration with the Wood Products Technology Department at the University of Natural Resources in **Poznań, Poland** to study supply chain issues impacting the Polish furniture industry.
  5. 2017-2020. Collaboration with Salzburg University of Applied Sciences to study drivers and barriers impacting the CLT industry in **Austria**.
  6. 2015-2019. Study Abroad program to **Costa Rica** co-organized with EARTH University in Costa Rica Wintermester course
  7. 2015. Lean Management Short Course. INTRAS. June 25-26. Santo Domingo, **Dominican Republic**.
  8. 2014-2017. Improvement of Technical and Vocational Training in Agroforestry Education in **Honduras, Nicaragua, and Costa Rica**. Funded through USDAID (see grants)
  9. 2014. Sustainable Manufacturing Systems in the Forest Products Industries. University of Guadalajara. Guadalajara, **Mexico**.
  10. 2013. Financial Management Training for Sugar cane Growers. Orange Walk, **Belize**.
  11. 2012. Use of biomass residues for generation of clean electricity. [Limye Pa w](#). Dan Bierembaum, President. **Haiti**.
  12. 2012. Support in Supply Chain Management of Agricultural Biomass for production of Clean Electricity. [EcoPower Africa](#). Yoav Palatnik, President. **Liberia**.
  13. 2011-2012. Collaborations with Cleaner Production Centers in **Guatemala, El Salvador, and Peru** to establish a Latin American network in Cleaner Production Technologies.
  14. 2011-2013. Support to INTRAS, a private organization in the **Dominican Republic**, for training of local communities in Lean Management.
  15. 2010. Assistance to USDA/FAS in **Mexico** to support Competitiveness of Social Forest Products Enterprises. Research Project. September.
  16. 2009. Assisting the Virginia Department of Agriculture and Consumer Services (VDACS) in finding opportunities for White Oak (*Quercus alba*) in the **Chilean** Wine Industry.
  17. 2009 -2019. Memorandum of Understanding and a Student Exchange Agreement between Virginia Tech and Costa Rica Tech. Activities include: study abroad, faculty and student exchanges.
  18. 2008-2010. Research collaboration with INGENIO at Polytechnic University of Valencia. Valencia, **Spain**.

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#### OTHER DISSEMINATION ACTIVITIES

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##### *Website Development*

1. 2022 to now. Maintenance and design of the ANR Intranet.  
<https://extension.purdue.edu/hub/anr>
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2. 2023 to now. Develop of an online database to search expertise, programs and needs assessments of ANR Educators and Specialists. Visit <https://extension.purdue.edu/hub/anr/expertdb/>
  3. 2012-2015. Created, developed and maintained the website: <http://www.sim.sbio.vt.edu/> to inform my constituents about the latest research outcomes, announcements of upcoming extension and outreach activities, and opinion articles related to my academic program.
  4. 2012-2022. Development and maintenance of the website for the Center for Forest Products Business ([www.cfpb.vt.edu](http://www.cfpb.vt.edu))

Newsletters (*selected, \*denotes student, selected*)

1. 2022 to now. Editor and publisher of the ANR newsletter. Monthly publication.
  2. 2018-2022. Pub [https://extension.purdue.edu/hub/anr/expertdb/expertdb\\_ADM/](https://extension.purdue.edu/hub/anr/expertdb/expertdb_ADM/)lished an industry update for the Virginia Loggers Association Newsletter every quarter.
  3. Arias, E\*, Lyon, S., **Quesada-Pineda, H.J.**, and Smith, R. 2013. Exports of U.S. Hardwood Products: Increasing Performance in Asia and Western Europe. Center for Forest Products Business. Newsletter. Fall.
  4. Crawford, S\*, and **Quesada-Pineda, H. J.** 2012. Reducing Energy Inefficiencies in the Forest Products Industry Using Value Stream Mapping. Center Focus Newsletter. Center for Forest Products Business at Virginia Tech. Spring.
  5. **Quesada-Pineda, H. J.** 2012. Students Explore Sustainability in Costa Rica. CNRE News. College of Natural Resources and Environment. Spring
  6. Lyon, S\*, **Quesada-Pineda, H.J.**, and Smith, R. 2011. Fostering Relationships Among Central American and Appalachian Forest Products Companies. Research Update for the Center for Forest Products Business. November 2011
  7. Sanchez, S. and **Quesada-Pineda, H.J.** 2011. Profiling of the U.S. Wood Pallet Supply Chain. Center for Forest Products Business Newsletter. Virginia Tech. Fall.
  8. Global University. 2011. **Quesada** takes students to Costa Rica. Newsletter from the Office of International Research, Education, and Development. 8(1). Spring
  9. **Quesada-Pineda, H.J.** 2011. Student Centered Teaching Methods in Natural Resources Curriculum. Engagement Matters. A Natural Resources Extension and Outreach Publication from Virginia Tech's College of Natural Resources and Environment. April/May. 3(2).
  10. \*Lyon, S., **Quesada-Pineda, H. J.**, and R. Smith. 2011. Opportunities for Appalachian Forest Products in Guatemala and El Salvador. Newsletter Center Focus. Center for Forest Products Marketing at Virginia Tech. March, 2011.
  11. Lyon, S., **Quesada-Pineda, H.J.**, and R. Smith. 2011. Opportunities for Appalachian Forest Products in Guatemala and El Salvador. Newsletter Center Focus. Center for Forest Products Marketing at Virginia Tech. March, 2011.
  12. Virginia Forest Products Newsletter. Industry Calendar: September 2010. Spotlight on the Industry.
  13. Virginia Forest Products Newsletter. Industry Calendar: September 2010. Spotlight on the Industry.
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14. \*Lyon, S., **H. J. Quesada-Pineda**, and R. Smith. 2010. Opportunities for Virginia Forest Products Companies in Central America. Research Update for the Center for Forest Products Business at Virginia Tech. July.
  15. **Quesada-Pineda, H. J.** 2009. Potential for Virginia White Oak in the Chilean Wine Industry. Newsletter Center Focus. Center for Forest Products Marketing at Virginia Tech. Fall 2009.
  16. **Global University.** 2010. **Quesada-Pineda** leads the way with Costa Rica Tech. A university-wide newsletter from the Office of International Research, Education, and Development. 7(1).
  17. Virginia Forest Products Newsletter. Industry Calendar: July 2010 Workshop Offerings. August.
  18. Newsletter of Appalachian Hardwood Manufacturers. 2009. VT Offers International Marketing Workshop. October.
  19. CNR News. Faculty Briefs. Fall 2008.
  20. Southern Regional Extension Forestry Newsletter. 2008. **Dr. Henry Quesada-Pineda** Joins Department of Wood Science and Forest Products at Virginia Tech. May-August.
  21. SWST Newsletter. 2008. **Dr. Henry Quesada-Pineda** Joins Virginia Tech. October.

*Newspapers appearances as writer (selected)*

1. **Quesada-Pineda, H.J.** 2015 to date. Editor of the SBIO Extension Newsletter. Department of Sustainable Biomaterials. Blacksburg, VA.
  2. **Quesada-Pineda, H.J.** 2014. Impact of Payments for Environmental Services (PSA) La Nacion. Newspaper. Opinion section. December 1, 2014.
  3. **Quesada-Pineda, H.J.** 2013. Sugarcane and Ethanol: A sustainability project. CRhoy Online Newspaper. Opinion section. April 8. Available at <http://www.crhoy.com/opinion-cana-de-azucar-y-etanol-para-un-proyecto-de-sostenibilidad/>
  4. **Quesada-Pineda, H.J.** 2012. What are sustainable enterprises? May 11. La Nacion. Total daily circulation 150,000. Available at <http://www.nacion.com/2012-05-11/Opinion/-que-es-una-empresa-sostenible-.aspx>.
  5. **Quesada-Pineda, H. J.** 2011. Christmas Trees and Environmental Impact. La Nacion. Opinion Section. November 7, 2011. Total daily circulation 150,000. Available at <http://www.nacion.com/2011-11-07/Opinion/Arboles-navidenos-e-impacto-ambiental.aspx>
  6. **Quesada-Pineda, H. J.** 2010. My Christmas Tree is real, and yours?. La Nacion. Opinion Section. December 15, 2010. Total daily circulation 150,000. Available at <http://www.nacion.com/2010-03-02/Opinion/Foro/Opinion2286325.aspxU>
  7. Morales, S. (**Interview to Candidate**). 2010. Wood as an Option for Residential Construction. El Financiero: Real State Special Publication. Total weekly circulation: 25,000. Edition 768. Page 18. May 17-23. Available at HU[http://www.elfinancierocr.com/accesolibre/2010/mayo/23/cf768\\_bn.pdfUH](http://www.elfinancierocr.com/accesolibre/2010/mayo/23/cf768_bn.pdfUH)
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8. Morales, S. (**Interview to Candidate**). 2010. The Problem is also within the Industry. El Financiero. Sunday March 14. Total weekly circulation 25,000. Available at [HUhttp://www.elfinancierocr.com/ef\\_archivo/2010/marzo/14/enportada2291164.html](http://www.elfinancierocr.com/ef_archivo/2010/marzo/14/enportada2291164.html)UH
  9. Fonseca, P. (**Interview to Candidate**). 2010. Looking for a Balance Between Wood and Concrete. La Nacion. Science and Technology Section. Page 22A. Thursday, March 11. Total daily circulation 150,000.
  10. **Quesada-Pineda, H. J.** 2010. Perceptions about Wood. La Nacion. Opinion Section. Page 22. Monday March 1. Total daily circulation 150,000. Available at [HUhttp://www.nacion.com/2010-03-02/Opinion/Foro/Opinion2286325.aspx](http://www.nacion.com/2010-03-02/Opinion/Foro/Opinion2286325.aspx)UH
  11. **Quesada-Pineda, H. J.** 2009. Corporate Social Responsibility: An Option to Overcome Underdevelopment. La Nacion. Newspaper. Article in Editorial Section. November 23. Total daily circulation 150,000. Available at [HUhttp://www.nacion.com/ln\\_ec/2009/noviembre/22/opinion2167684.html](http://www.nacion.com/ln_ec/2009/noviembre/22/opinion2167684.html)UH
  12. **Quesada-Pineda, H. J.** 2009. Lean Thinking and Sustainability: An Opportunity to Protect the Environment and Save Energy. Informa Tec. September 16-30, 2009. No. 297. Available at [HUhttp://www.tec.cr/prensa/Informatec/2009/setiembre%20II/n21.html](http://www.tec.cr/prensa/Informatec/2009/setiembre%20II/n21.html)UH
  13. **Quesada-Pineda, H. J.** 2009. Spending on Research and Development Activities in Developing Countries. La Nacion Newspaper. Editorial Section. May 05. Total daily circulation 150,000. Available at [HUhttp://www.nacion.com/ln\\_ec/2009/mayo/05/opinion1954235.html](http://www.nacion.com/ln_ec/2009/mayo/05/opinion1954235.html)UH

*Press releases (selected)*

14. **Quesada-Pineda, H.J.** 2017. Wooden structures prefabricated in the U.S. could help reduce housing deficit in Latin America. Available at <http://vtnews.vt.edu/articles/2017/01/cnre-latinamericahousing.html>
  15. Garcia, D. 2013. Costa Rica waste opportunities to use more wood. CRHoy Online Newspaper. Available at <http://www.crhoy.com/costa-rica-desaprovecha-mercado-maderero-que-puede-garantizarle-mayor-sostenibilidad-ambiental/> . Interview to **Henry Quesada-Pineda**.
  16. Hanson, C. 2013. 2013. 10 kW portable biomass power plant demonstrated at Virginia Tech. Biomass Magazine. April. Available at <http://biomassmagazine.com/articles/8811/10-kw-portable-biomass-power-plant-demonstrated-at-virginia-tech>. Press release on **Henry Quesada-Pineda**.
  17. Siegel, R.P. 2013. Are Today's Leaves Tomorrow's Energy? Energy ViewPoints. April. Available at <http://www.energyviewpoints.com/are-todays-leaves-tomorrows-energy/> . Interview to **Henry Quesada-Pineda**.
  18. Hanson, C. 2013. 2013. 10 kW portable biomass power plant demonstrated at Virginia Tech. Biomass Magazine. April. Available at <http://biomassmagazine.com/articles/8811/10-kw-portable-biomass-power-plant-demonstrated-at-virginia-tech> . Press release on **Henry Quesada-Pineda**.
  19. Duran, J. (**Interview to Dr. Henry Quesada**). 2011. Buying into Sustainability. Business Xpansion Journal. Online Journal. March, pp. 1-1.
  20. McAuley, S. (**Press release**) 2010. Virginia Tech Researchers Deploy EnerNOC's Energy Management Applications in "Lean" Manufacturing Study. Enernoc. December 19, 2010. Available at <http://www.enernoc.com/press/releases/215/virginia-tech-researchers-deploy-enernoc-s->
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[energy-management-applications-in-lean-manufacturing-study.php?keepThis=true&TB\\_iframe=true&height=560&width=568](http://www.vtnews.vt.edu/articles/2010/08/082410-cnre-forprodworkshops.html)

21. Davis, L. (**Press release**). 2010. Extension, College of Natural Resources and Environment offer workshop series on process improvement. Available at [HUhttp://www.vtnews.vt.edu/articles/2010/08/082410-cnre-forprodworkshops.html](http://www.vtnews.vt.edu/articles/2010/08/082410-cnre-forprodworkshops.html)
22. Jacques, J. (**Press release**). 2009. Virginia Tech, Costa Rica Institute of Technology sign memorandum of understanding for delivering distance education courses. Available at [HUhttp://www.vtnews.vt.edu/story.php?relyear=2009&itemno=851](http://www.vtnews.vt.edu/story.php?relyear=2009&itemno=851)
23. Davis, L. (**Press Release**). 2009. International marketing for forest products industries workshop planned for October. Virginia Tech News. September 23, 2009. Available at [HUhttp://www.vtnews.vt.edu/story.php?relyear=2009&itemno=698](http://www.vtnews.vt.edu/story.php?relyear=2009&itemno=698)

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#### UNIVERSITY SERVICE

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1. 2024. Extension operations Task Force. Co-char with Ron Turco. College of Agriculture, Purdue University
  2. 2024. Engagement College Program. Chair. Appointed by the Dean of the College of Agriculture, Purdue University
  3. 2022 to date. AgSEED Proposals. Applied chair. College of Agriculture, Purdue University
  4. 2022 to date. Extension Summer Proposals Chair. College of Agriculture, Purdue University
  5. 2020. College of Natural Resources and Environment (CNRE) Diversity and Inclusion Committee. Appointed by the CNRE Dean.
  6. 2020. Member of the CNRE Task force to develop COVID-19 Guidelines. Appointed by the CNRE Dean
  7. 2020. Member of the Strategic Committee of the Department of Sustainable Biomaterials. Appointed by the Department Head.
  8. 2019. Member of the SBIO Department Head search Committee. Appointment by Dean.
  9. 2018-2019. Chair the Search Committee for Data analytics position at SBIO. Appointed by Dean
  10. 2017. Faculty Metric's Committee. Appointed by SBIO Department Head.
  11. 2015 to 2019. Faculty Fellow. Sustainability Institute. Appointed by the Dean of the College of Natural Resources and Environment.
  12. 2015 to 2018. Future's Committee. Appointed by the Head of the Department of Sustainable Biomaterials.
  13. 2014. Faculty Senate Cabinet Member
  14. 2012-2016. Enrollment Management Committee. Department of Sustainable Biomaterials. College of Natural Resources and Environment. Virginia Tech
  15. 2012-2013. College of Natural Resources and Environment (CNRE) Conference in Diversity. Appointed by the CNRE Dean
  16. 2011-2012. SVECH degree proposals Committee. Design and development of new curricula
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for the Sustainable Biomaterials and Innovation option

17. 2014-2022. Associate Director of Center for Forest Products Business.
18. 2010-2014. Assistant Director. Center for Forest Products Business
19. 2010. Founding member. Center of Innovation based-Manufacturing (CIBM) at Virginia Tech
20. 2010. Commission on University Support. Appointed by the Faculty Senate at Virginia Tech
21. 2010-2014. Virginia Tech Faculty Senator
22. 2009. Workshop to revise the upcoming 2010 US National Report on Sustainable Forests. Invited by USDA/CSREES. Washington, DC. March, 2009
23. 2009. Department Head Search Committee Member. Appointed by the Dean of the College of Natural Resources at Virginia Tech
24. 2008. Commencement Marshall. Fall 2008 Commencement Ceremony at Virginia Tech
25. 2008-2022. Adjunct Professor. Purdue University
26. 2007-2008. Board Committee Member of the Master Degree in Innovation and Technology Management Program. Appointed by the Vice-Presidency of Student Affairs. Costa Rica Institute of Technology. Cartago, Costa Rica
27. 2006-2007. Committee Member for Developing of the new Mechatronics Engineering BS Program. Appointed by the Vice-President of Student Affairs of Institute of Technology
28. 2005. Drawing the Key Variables of the Future of Furniture Sector. Roundtable in North Carolina State University organized by AIDIMA
29. 2005-2008. Committee Member of the National Strategy in Education, Science and Technology: A 50 year vision. Appointed by the Director of the National Center for Higher Technologies. Leader of the Group Manufacturing Systems (Grupo Temático Sistemas de Manufactura). Developed a National Diagnostic On Manufacturing Systems. See report at <http://www.nacion.com/pla>
30. 2005-2008. Director of the Flexible Manufacturing Systems Laboratory. Laboratory started with a \$US 1.2 million investment of CAD/CAM software, CNC equipment, and PLC controlled devices in 1999. Duties included budgeting, acquisition of new technologies, equipment maintenance, public demonstrations, and teaching and research

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#### PROFESSIONAL SERVICE

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1. 2024. Team member. SWST Accreditation visit of the Wood, Cellulose and Pulp Science Program at the University of Guadalajara, Mexico.
  2. 2024 to date. Associate Editor of Bioproducts Business Journal.
  3. 2023. Team leader. SWST program accreditation visit of the Wood Science and Engineering Program at Oregon State University
  4. 2023. Past president of the Society of Wood Science and Technology (SWST)
  5. 2022. President of the Society of Wood Science and Technology.
  6. 2021. Session Chair. Society of Wood Science and Technology Annual Convention. August
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1-6, 2022. Flagstaff, AZ.

7. 2020. Elected Vice President of the Society of Wood Science and Technology.
8. 2018 to date. Voting member of the APA/NSI PRG 320 technical Committee
9. 2016. Team Member. SWST Accreditation of the Wood Science Program at Nanjing University. Nanjing, China.
10. 2015-2022. BioProducts Business. Editorial Board Member
11. 2016 to 2024. Board Member. Society of Wood Science and Technology
12. 2014 to present. Society of Wood Science and Technology. Member of the Education and Accreditation Committee
13. 2014. Decision Science Institute. My Role: Session Chair. Session 70. Lean and Quality: Process Improvement Programs. Adoption and Performance Considerations. 2014. Decision Science Institute Convention. November 21-25. Tampa, FL. Organization Type: Professional Society
14. 2013-2022. Consortium for Research on Renewable Industrial Materials. Board member.
15. Session Chair. Session 3. Marketing. 2013 Forest Products Society International Convention. June 9-11, 2013. Austin, TX
16. 2013. National Institute of Food and Agriculture (NIFA). Grant panel reviewer
17. 2012. Session Chair: Innovation in Manufacturing. Forest Products Society 66th International Convention. Washington, DC. June 3-5. Session 9.
18. 2012. Forest Products Society Membership Committed. Appointment by the FPS Executive Director. Madison, Wisconsin
19. Session Co-Chair. Wood Processing/Sustainability. IUFRO Division 5 Conference. Estoril Conference Center. July 8-13, 2012. Estoril, Portugal.
20. Session Chair. Session 4a: Process Improvement and Modeling II. 2nd Biennial International Conference on Processing Technologies for the Biobased Products Industries. St. Simons Island, GA. November 6-7, 2012
21. 2011. Session Chair: Using Innovation-Based Manufacturing to Increase Global Competition. Forest Products Society 65th International Convention. Portland, OR. June 18-21. Session 11
22. 2010-2018. Coordinator of IUFRO section 5.04.13: Industrial engineering, operations analysis and logistics.
23. 2010. Session Chair. FPS/SWST. Session XV. Manufacturing and Business Process Management to Increase Global Competition. Forest Products Society 64th International Convention. June 20-22. Madison, WI
24. 2010 to date. Society of Wood, Science and Technology. Member.
25. 2009 to date. Member of the Editorial Board. Peer-reviewed Journal Tec Empresarial.

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#### **EFFORTS TO IMPROVE TEACHING EFFECTIVENESS**

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- 2019. Transform your Lectures with Presentations techniques and Active Learning Strategies. TLOS: Professional Development Network. October 2.
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- 2018. Digital Accessibility Brown Bag Lunch. May 11.
  - 2018. ePortfolio Student Panel. May 1.
  - 2018. Zoom Essentials. April 27.
  - 2017. Learning Experiences. December 5.
  - 2014. Scholar: Features for Supporting Student Collaboration. October 23
  - 2014. Real Time Online: Using WebEx for Teaching and Collaboration. October 22.
  - 2014. Tutorial: Google Apps for Educators. September 1.
  - 2012-2013. **Early Career Teaching Certificate**. Center for Instructional Development and Educational Research (CIDER). Virginia Tech. Fall 2012-Spring 2013.
  - 2012. **Exploration of Emerging Technologies for Active and Engaged Learning**. Faculty Development Institute. May 22-24.
  - 2011. **Assessing Engaged Learners**. Faculty Development Institute. September 2.
  - 2009. **Planning, Developing, Delivering Online Instruction**. Faculty Development Institute. April 28.
  - 2009. **Scholar: Overview & Introduction**. Faculty Development Institute. January 29.

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#### LANGUAGES

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- *Spanish*, native
  - *English*, fluent
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