

## CURRICULUM VITAE

### Ivan Louis Eastin

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#### Education

- Ph.D., 1992 Forest Products Marketing, **University of Washington, Seattle, WA.**  
**Dissertation:** A Framework for Assessing Strategic Options in Responding to Boycotts: Ghana and the Tropical Hardwood Boycott in Europe.
- M.S., 1985 Wood Science and Technology, **Michigan Technological University, Houghton, MI.**  
**Thesis:** The Production of Resin-free, Dry-process Fiberboards at Elevated Hot Pressing Temperatures.
- B.S., 1983 Wood Science and Technology, **Michigan Technological University, Houghton, MI.**

#### Professional Appointments

- 9/17-Current **Research Professor, School for Environment and Sustainability (SEAS), University of Michigan.**  
Conduct marketing research on the forest products industry related to industry competitiveness, strategic orientation, material substitution, international trade and new product development (e.g. CLT and thermally modified wood). Teach a course looking at the role of forests in economic development in tropical regions.
- 10/15-9/17 **Associate Dean for Research, College of the Environment (CoEnv), UW**  
1/04-9/17 **Director, Center for International Trade in Forest Products (CINTRAFOR), School of Environmental and Forest Sciences (SEFS), CoEnv, UW.**
- 7/04-9/17 **Professor, Forest Products Marketing, SEFS, CoEnv, UW**  
9/04-6/16 **Faculty Leader, Peace Corps Masters International Program School of Environmental and Forest Sciences, University of Washington.**
- 8/97-1/04 **Associate Director, CINTRAFOR**  
2/97-6/04 **Associate Professor, Forest Products Marketing, College of Forest Resources, UW**  
9/92-2/97 **Assistant Professor, Forest Products Marketing, College of Forest Resources, UW**  
5/92-7/92 **USAID Consultant**
- 1991-1992 **Research Associate, Center for International Trade in Forest Products, UW.**  
1990-1991 **Fulbright Fellow, Ghana, West Africa**  
1987-1990 **Research Associate, College of Forest Resources, University of Washington.**  
1985-1987 **Peace Corps Volunteer, Liberia, West Africa.**  
1983-1985 **Teaching Assistant, Department of Wood Science, MTU, Houghton, MI.**  
Taught laboratory courses in wood anatomy, wood identification, wood chemistry, and wood mechanics.
- 1980-1982 **Summer Intern.** Veneer Division, Hartzell Inc., Piqua, OH.  
1976-1979 **U.S. Army.** Heavy equipment operator. Honorable Discharge.

#### Awards

- 2015 **UW CoMotion Presidential Innovation Fellow**  
2006 **Dean's CFR Faculty Award for Exemplary Service**  
2004 **UW PCMI Faculty Leadership and Service Award**  
2000 **CINTRAFOR Faculty of the Year Award**  
1999 **Canadian Embassy Faculty Research Grant**  
1997 **Canadian Embassy Faculty Enrichment Grant**  
1996 **CINTRAFOR Faculty of the Year Award**  
1994 **CINTRAFOR Faculty of the Year Award**  
1994 **Center for International Business Education and Research (CIBEAR) Faculty Scholarship Award,** University of Southern California  
1992 **CINTRAFOR Doctoral Student of the Year Award**  
1990 **Fulbright Doctoral Research Fellowship**

### **Selected Professional Presentations (over 170 presentations at national and int'l symposia)**

- 2018 Japanese Timber-related Programs and Policies: Implications for North American Timber Exports. Keynote Address. Timber Measurements Society Central Meeting. Coeur d'Alene, ID 4-6 April
- 2017 Overview of Timber Harvesting Programs in the US. Japan Lumber Importers Association. Tokyo Japan. 5 December.
- 2017 Wood-based Panel Market Outlook. UNECE Timber Market Committee Meeting. Warsaw Poland. 9-13 October.
- 2017 Forestry Challenges. Keynote Speaker. Foster Business School Environmental Innovation Challenge. Seattle, WA. 30 March
- 2016 Lacey Act Compliance and Due Care. Japan Lumber Importers Association Annual Meeting. Tokyo, Japan. 6 December.
- 2016 Japan CLT Roadmap: A Model for North America? UNECE Timber Market Committee Meeting. UN Palais des Nations, Geneva, Switzerland. 18-20 October.
- 2016 Exploring Export Opportunities for Tribal Wood Products in Japan. Economic Development Administration National Conference. Washington, DC. April 6-7.
- 2015 Wood Products Innovations: Not an Oxymoron. SAFCOL Industry Workshop. Sept. 21, 2015.
- 2015 The Forestry Sector in Japan. HooHoo Club of Snohomish County. 18 March, 2015
- 2014 New Developments in International Trade. Tribal Export Briefing. US Embassy Tokyo, Japan. March 31<sup>st</sup>.
- 2014 Wooden Housing in Japan: The Evolution of the Post and Beam System. Tribal Export Briefing. US Embassy Tokyo, Japan. March 31<sup>st</sup>.
- 2014 Update on Japan Trade Policies. WWPA 2014 Annual Meeting. Portland, Oregon. March 3<sup>rd</sup>.
- 2013 A Summary of Japanese Regulatory Constraints on Imported Wood. Pacific Lumber Exporters Association Annual Meeting. Portland OR. 24 April.
- 2013 Modeling Adoption and Diffusion of Certified Wood in the US Residential Housing Sector. USDA Agriculture and Food Research Initiative, Agricultural Economics and Rural Communities Webinar Series. January 30.
- 2012 China's Impact on Global Forest Products Trade: A Viewpoint from Abroad. 55<sup>th</sup> International Convention of the Society of Wood Science and Technology. Beijing, China. 27-31 August.
- 2012 Eco-Labeling Native American Tribal Forest Products. College of Menominee Nation Summit on Tribal Forestry and Wood Products. Keshena, WI. June 6-7.
- 2012 New International Market Opportunities for Tribal Wood Products. 36<sup>th</sup> Annual National Indian Timber Symposium. Confederated Tribes of the Warm Springs Reservation. Warm Springs, OR. 14-17 May
- 2012 Overview of the Japan Forestry and Forest Revitalization Plan Research Project. Pacific Lumber Exporters Association Annual Conference. Portland OR. 9 May
- 2012 Exploring Markets for US Wood Products: If Not Here, Then Where (and Why). 49<sup>th</sup> Annual Moulding and Millwork Association Conference. Santa Monica, CA. March 19-23.
- 2011 LCA and the Development of Bio-Jet Fuel from Forest Residuals. NARA Bioenergy CAP Research program Kick-off Conference. Spokane, WA. 12-13 September.
- 2011 Why Export? Diversifying Risk and Adding Value. Exporting Logs and Lumber Workshop. Yakama Nation. July 25.
- 2011 Global Trade in Forest Products: Implications for China. 4<sup>th</sup> International Conference and Technical Workshops of Sustainable Forests & Markets Development. Shanghai, China. June 21-23.
- 2011 Status and Trends in the US Forest Products Industry. Intertribal Timber Council Workshop on Branding and Marketing Tribal Wood Products. 2-3 March. Seatac, WA.
- 2010 Life Cycle Assessment and Green Building Programs. US-Japan-Canada Building Experts Committee Meeting. Vancouver, BC. October 18-19.
- 2010 US Green Building Programs: Using Life Cycle Assessment to Improve Environmental Performance. Society of Wood Science and Technology 53rd International Convention. Geneva, Switzerland. Oct. 11.
- 2010 Builder's Perceptions of Green Building Programs: Japan and China. 3rd International Conference and Technical Workshops of Sustainable Forests & Markets Development. Beijing, Sept 7 – 8, 2010.
- 2010 Certified Wood in China and Vietnam: Benefits, Constraints and Drivers of Management Commitment. IUFRO World Congress. Seoul, South Korea. August 25-29.
- 2010 A Tale of Two Cedars: Two Cedars: Two Markets. International Symposium on Western Red Cedar and Yellow Cedar. University of Victoria, BC. May 24-28.
- 2010 Tribal Branding Survey 34<sup>th</sup> Annual National Indian Timber Symposium. Mescalero Apache Tribe, Mescalero, NM. 20 April.

## **Books, Book Chapters and Reports**

- 2013 Eastin, I.L., D. Sasatani and T. Igarashi. An Assessment of the Douglas-fir Timber Inventory in the US and Estimation of the Economic Ripple Effect of Douglas-fir Sawmills in Prefectural Economies in Japan. Submission to the Japan Wood Use Points Central Committee and MAFF. 23 pages.
- 2012 Cao, Jeff, Xiufang Sun and Ivan Eastin. Chapter 9: The China Era, in: *Global Forest Products: Trends, Management and Sustainability*. Edited by Eric Hansen and Richard Vlosky. Publisher: Taylor and Francis Group LLC.
- 2005 Eastin, I. *Innovative Fence Designs from Small Diameter Timber: Adding Value through Design*. Publisher: Watermark Publishing. Seattle, WA. 73 pages.

## **Selected Publications in Peer Reviewed Journals and Proceedings: (over 90 articles published)**

- 2018 Pierobon F., I. Ganguly, R. Pelton, T. Smith, G. Johnston and I. Eastin. Analyzing the role of co-product allocation in life cycle assessment of residual lignocellulosic biomass based jet-fuel. ***Biotechnology for Biofuels*. Accepted.**
- 2018 Ganguly I., F. Pierobon, T. Bowers, M. Huisenga, G. Johnston and I. Eastin. 'Woods-to-Wake' Life Cycle Assessment of residual woody biomass based jet-fuel using mild bisulfite pretreatment, ***Biomass and Bioenergy*. V(108) pp:207-216.**  
<https://www.sciencedirect.com/science/article/pii/S0961953417303574>
- 2018 Sasatani, D., and I. Eastin. 2017. Demand Curve Estimation of Locally Produced Woody Biomass Products. *Applied Engineering in Agriculture*. **ASABE V(34), Issue 1.**  
<http://elibrary.asabe.org/abstract.asp?AID=48758&t=3&dabs=Y&redir=&redirType=>
- 2018 Sasatani, D., I. Eastin, T.C. Bowers, and I. Ganguly. 2017. Public Acceptance of pre-commercial thinning and energy and soil amendment products from post-harvest residues in western forests in the US. *Applied Engineering in Agriculture*. **ASABE V(34) Issue 1.**  
<http://elibrary.asabe.org/abstract.asp?AID=48751&t=3&dabs=Y&redir=&redirType=>
- 2017 Song, Kunlin, I. Ganguly, I. Eastin and A. Dichiara. Lignin-modified carbon nanotube/graphene hybrid as efficient flame retardant. ***International Journal of Molecular Sciences*. 18(11), 2368, November 2017.** <http://www.mdpi.com/1422-0067/18/11/2368/htm>.
- 2017 Eastin, I., I. Brose, F. Maplesden and I. Novoselov. Wood-based Panels Markets, 2016-2017. UNECE/FAO Forest Products Annual Market Review. ***Geneva Timber and Forest Study Paper 41; ECE/TIM/SP41***. Geneva. pp:63-76. <https://www.unece.org/forests/fpamr2017.html>
- 2016 Chen C., Zamora R., Ganguly I., Sessions J., Pierobon F. and Eastin I. Modeling the Collection and Transportation Logistics of Forest Residues using Life Cycle Assessment, ***Journal of Forestry V(115)N(2)***, pp:86-94.  
<http://www.ingentaconnect.com/search/article?option2=author&value2=pierobon%2c+f&pageSize=10&index=20>
- 2016 Sasatani, D., C. Smith, I. Eastin and I. Ganguly. 2016. The Perceived Value of Native American Wooden Gift Products with or without a Certification Label by Groups of Potential Customers. ***Journal of Forestry. V(115)N(5)***, pp:370-378.  
<http://www.ingentaconnect.com/search/article?option2=author&value2=sasatani&pageSize=10&index=2>
- 2016 Eastin, I., I. Brose, F. Maplesden and I. Novoselov. Wood-based Panels Markets, 2015-2016. UNECE/FAO Forest Products Annual Market Review. ***Geneva Timber and Forest Study 40; ECE/TIM/SP40***. Geneva. pp:65-76. <https://www.unece.org/forests/fpamr2016.html>
- 2016 Nwaneshiudu, I., I. Ganguly, F. Pierobon, T. Bowers, I. Eastin. Environmental Assessment of Mild Bisulfite (MBS) Pretreatment of Forest Residues into Fermentable Sugars for Biofuel Production. ***Biotechnology for Biofuels 9:15***. DOI 10.1186/s13068-016-0433-1.  
<https://biotechnologyforbiofuels.biomedcentral.com/articles/10.1186/s13068-016-0433-1>
- 2016 Sasatani, D. and I. Eastin. Significant Factors Impacting Export Decisions of Small and Medium-Sized Softwood Sawmill Firms in North America. ***Canadian Journal of Forest Research, V(46)N(1)***, pp:67-76. <http://www.nrcresearchpress.com/doi/full/10.1139/cjfr-2015-0202#.WgWwtGyGPuo>
- 2015 Lu, Ziyi, I. Ganguly and I. Eastin. A Categorical Modeling Approach to Analyzing the Impacts of the Lacey Act 2008 Amendment on Chinese Companies Export Cost and the Implications on their Sourcing Behaviors. ***Canadian Journal of Forest Research V(45)N(12)***. pp:1806-1815.  
<http://www.nrcresearchpress.com/doi/full/10.1139/cjfr-2015-0163#.WgWxdWyGPuo>
- 2015 Han, H.S., E. Oneil, R. Bergman, I. Eastin and L. Johnson. Cradle-to-Gate Life Cycle Impacts of Redwood Forest Resource Harvesting in Northern California. *Journal of Cleaner Production*. pp:1-13.  
<http://dx.doi.org/10.1016/j.jclepro.2015.02.088>

- 2014 Bridegam, P and I. Eastin. The Effects of the 2008 Lacey Act Amendment on the International Trade in Forest Products. *Forestry Chronicle V(90) N(5)* pp:643-650. <http://pubs.cif-ific.org/doi/10.5558/tfc2014-129>
- 2014 Roe, B., I. Eastin and I. Ganguly. The Impact of Timber Legality Regulations on Business Practices in Vietnam. *Forestry Chronicle V(90) N(5)* pp:651-659. <http://pubs.cif-ific.org/doi/10.5558/tfc2014-130>
- 2014 Lu, Ziyi, I. Ganguly and I. Eastin. Changes in Chinese Wood-based Exports to the US: Post Lacey Act Amendment. *Forestry Chronicle V(90) N(56)* pp:660-665. <http://pubs.cif-ific.org/doi/10.5558/tfc2014-131>
- 2014 Pierobon, F., I. Ganguly, T. Anfodillo and I. Eastin. Evaluation of Environmental Impacts of Harvest Residue-based Bioenergy Using Radiative Forcing Framework. *Forestry Chronicle. V90 N(5)*, pp:577-585. <http://pubs.cif-ific.org/doi/10.5558/tfc2014-120>
- 2014 Bowers, T., I. Ganguly and I. Eastin. Eco-labeled Wood Products in the US Residential Construction Industry: Architects' Awareness and Usage of Certified Wood and Green Building Programs. *Forestry Chronicle. V90 N(5)*, pp:605-613. <http://pubs.cif-ific.org/doi/10.5558/tfc2014-124>
- 2014 Bergman, R., E. Oneil, I. Eastin and H. Sup Han. Life Cycle Impacts of Manufacturing Redwood Decking in Northern California. *Wood and Fiber Science 46(2)*. pp:322-339.
- 2012 Atkins, Jane and I. Eastin. Seeing the Trees: Farmer Perceptions of Indigenous Forest Trees Within the Cultivated Cocoa Landscape. *Forestry Chronicle V(88), N(5)*. pp:535-541.
- 2012 Bowers, T., I. Eastin, I. Ganguly, J. Cao and M. Seol. Forest Certification in Asia: The Changing Marketplace for Value-Added Products Manufacturers in China and Vietnam. *Forestry Chronicle V(88), N(5)*. pp:578-584.
- 2012 Sasatani, D. and I. Eastin. Construction Professionals Environmental Perceptions of Lumber Concrete and Steel in Japan and China. *Forestry Chronicle V(88), N(5)*. pp:593-599.
- 2011 Ganguly, I., I.L. Eastin and D. MacLachlan. An Analysis of the US Decking Materials Market: Perceptual Mapping Approach. *Canadian Journal of Forest Research. (41)* pp: 669-681.
- 2011 Morishima, G., L. Mason and I. Eastin. Branding and Marketing Tribal Forest Products: Your Story is Your Brand. Volume 1: Synthesis. Intertribal Timber Council Final Report. 44 pages.
- 2008 Cohen, D., I. Eastin, C. Gaston and R. Braden. Wood Market Trends in China. FP Innovations Special Publication 48. Vancouver, BC. 48 pages.
- 2006 Gaston, C., D. Cohen and I. Eastin. Wood Market Trends in Japan. FORINTEK Special Publication 43r. Vancouver.
- 2005 Eastin, I.L. and S. Gardner. NTFPs and Rural Economic Development in the Philippines: A Case Study of Abaca Fibers. in: *Forests and Society: Sustainability and Life Cycles of Forests in Human Landscapes* by Vogt, K.A., Honea, J.M., Vogt, D.J., Edmonds, R.L., Patel-Weynand, T., Sigurdardottir, R. and Andreu M.G. CABI Publishing, CAB International, Oxfordshire, UK.
- 2005 Roos, Joseph and I.L. Eastin. Market Segmentation and Analysis of Japan's Residential Post and Beam Construction Market. *Forest Products Journal. V(55)N(4)*. pp:1-7.
- 2004 Eastin, I.L., J. Roos and K. Cunningham. Factors that Influence the Export Success of Forest Products Firms in the PNW. *Forest Products Journal. V(54)N(7/8)*. pp:29-34.
- 2003 Eastin, I.L. and J. Perez-Garcia. Discrepancies in Forest Products Trade Statistics. *Forestry Chronicle V(79), N(6)*.  
<file:///C:/Users/ieastin/AppData/Local/Microsoft/Windows/INetCache/IE/IXUH2OTM/tfc791084-6.pdf>
- 2003 Eastin, I.L. Towards the More Effective Marketing of Lesser-Used Tropical Timber Species: A Theoretical Framework. *Ghana Journal of Forestry V(10)*.
- 2003 Eastin, I.L. and S. Gardner. NTFPs and Rural Economic Development in the Philippines: A Case Study of the Marketing of Abaca Fibers. *Oregon State University Case Study Series*.

**Non Peer Reviewed Publications and Proceedings:** (over 130 publications published)

**Funded Research:** PI or Co-PI on over 90 grants with total research funding exceeding \$57 million.

**Professional Consultancies:** Consulting services provided to the following companies and organizations: UN Economic Commission for Europe (Geneva); Food and Agriculture Organization (Rome); Mendocino Forest Products, LLC; Russ Taylor and Associates (Canada); International Tropical Timber Organization (Japan); Cascadia Consulting; Philippines Forest Products Research and Development Institute; Timber Export Development Board of Ghana; Forestry Research Institute of Ghana; Plum Creek Timber Company; USAID; Fundacion Chile (Chile).

### **Mentoring**

Graduate Students: I have chaired over 45 graduate student committees including 8 doctoral students.

Faculty and Post-Doctoral Researchers: I have mentored 4 post-doctoral researchers and 3 junior faculty members.