

Forest Products Society 2022 Award Winners Announced

LaGrange, GA – June 15, 2022 – The Forest Products Society, a global network for forest products professionals, announces the winners of its 2022 Annual Excellence Awards. The awards will be presented during at the International Conference being held in Madison, WI. The winners are:

Fred W. Gottschalk Memorial Award

Dr. Timothy Young



The prestigious **Fred W. Gottschalk Memorial Award**, named for the first President of the Society, recognizes exceptional service to FPS by an individual member. The 2022 Gottschalk Award winner, **Timothy Young**, has exhibited consistent commitment in serving the Forest Products Society since becoming a member. He has been involved in a number of strategic leadership roles at the National and Section levels as well as chairing the long-running Processing Technologies for the Forest and Biobased Products Industries (PTF BPI) Conference.

Timothy M. Young is a Professor in the Center for Renewable Carbon at the University of Tennessee (UT) located in the Department of Forestry, Wildlife & Fisheries; and a Data Scientist in the Bredesen Center, a joint research venture between UTK and ORNL. He has Ph.D. in Statistics (focus on machine learning of natural systems and natural resources) and M.S. in Statistics (minor in Operations Research) from the University of Tennessee. He also holds M.S. and B.S. degrees from the University of Wisconsin, Madison. He has taught highly successful industry courses in ‘Advanced Analytics and Data Mining,’ ‘Process Analytics, Statistical Process Control | Lean Methods,’ and ‘Design of Experiments for Rapid Innovation’ to more than 1,000 industry personnel from over 40 companies at national and international locations since 2000.

His current focus areas in the data sciences are: 1) advanced analytical modeling, machine learning and AI applications; 2) automated data fusion and Total data Quality Management (TqDM); 3) statistical visualization and real-time predictive analytics. He has four years of manufacturing experience with Georgia-Pacific Corporation. He has participated in grants from the private and public sectors totaling more than \$50 million. He has successfully mentored more than 35 M.S. and Ph.D. graduate students combined.

He has 319 scientific publications of which 103 appear in refereed journals. He has given more than 400 professional presentations and has been an invited keynote speaker at 22 scientific meetings. He is an invited lecturer and adjunct professor at BOKU University, Vienna, and Salzburg University of Applied Sciences, Austria; University of Ljubljana, Slovenia; and the Technical University of Munich Germany since 2010. Tim has extensive invited international speaking engagements and customized training courses for industry in Australia, Austria, Canada, China, Croatia, Greece, Ireland, New Zealand, Romania, and Wales. He has been the keynote speaker at annual quality and continuous improvement meetings of several large corporations. He was a Fulbright Scholar and Fulbright Specialist (Statistics) in 2014|2016 in Austria.

Tim was awarded the University of Wisconsin CALS ‘Outstanding Alumni of the Year’ in 2018 and ‘Fellow of the International Academy of Wood Science’ in 2019. He is current Head of the Industrial Engineering Unit and Director of the Center for AI and Data Science (CDS) of the Athens Institute for Education and Research (ATINER), Greece.

Leadership experience includes past President of the Forest Products Society (FPS). Tim is an active member of the American Statistical Association (ASA) and American Society of Quality (ASQ).



Wood Engineering Achievement Award – Lifetime Achievement

Dr. Richard F. Baldwin

The **Wood Engineering Achievement Award** recognizes accomplishments and innovations in the discipline of wood engineering including structures, structural elements, building codes, consensus standards, design procedures and education.

The 2022 winner of the Wood Engineering Achievement Award is **Dr. Richard F. Baldwin**. Richard F. (“Dick”) Baldwin, a native of Lebanon Oregon, draws on six decades of forest products industry experience. Currently Dick is Managing Partner of Oak Creek Investments LLC, an investor in several wood and non-wood businesses, & Instructor in the Forestry Department of Oregon State University.

Dick was Operating Partner of Winston Plywood & Veneer in Louisville MS. From 2007 to 2013, he served as Southeastern Executive VP / General Manager of Wood Resources LLC prior to its sale to Boise Cascade. Previously Dick had operating authority over wood products factories in Latin America and Southeast Asia, was Managing Partner of an operator of 7 wood products manufacturing plants, and was SVP of a Fortune 100 company with profit-and-loss responsibility for 15 wood products mills. Dick has carried out consulting assignments in Brazil, Chile, Costa Rica, Honduras, Japan, Laos, New Zealand, Nicaragua, South Africa, South Korea, Thailand, Turkey, Vietnam, and other countries.

Dick has held public office as member of the Oregon State Board of Forestry through Governor appointment & Senate confirmation and member of the Angelina and Neches River Authority (Texas) through Governor appointment & Senate confirmation. He was a member of the Forestry Trust Advisory Committee at the Oregon State Board of Forestry, a member of the Forest Research Laboratory Committee at Oregon State U., and a curriculum advisor at the Stephen F. Austin State U. School of Forestry.

He joined FPS in 1971 in Eugene, Oregon while working as an Industrial Engineer at a nearby Weyerhaeuser integrated complex and has remained a member for a full half-century. Baldwin was elected Chair of the Pacific Northwest Section during 1994-1995, when the Section was recognized with the Outstanding Section Award. Later Baldwin served as Chair of the Mid-South Section and in several other volunteer positions within the Society. At the FPS International Conference in 2018, Dick was recognized with the Fred W. Gottschalk award.

Dr. Baldwin recently presented at the PELICE conference in Atlanta in March 2022. Pre-pandemic engagements include the PELICE conference in March 2020, the 2019 Society of American Foresters convention in Louisville KY, the 2019 Forest Products Society annual meeting at Mississippi State U., and the 2019 Plywood Workshop at Oregon State U.

He has authored 100+ books and articles about manufacturing, maintenance, operations leadership, and timber procurement. Dick most recently was lead author of “Ingenuity and Innovation within the Veneer-Based industry” in the March 2022 edition of Panel World and “Softwood Plywood Industry Encountered Perilous Year” in the Dec. 2020 edition of Panel World. He also recently co-authored “Record Profitability for North American OSB in 2021” in the April-

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May 2022 edition of Wood Based Panels International and “Panel Industry Veterans Denounce Performance of Paperboard Wall Sheathing” in the January 2022 edition of Panel World. Dr. Baldwin also wrote the 2016 industry primer Plywood and Veneer-Based Products and recently revised the booklet “Creating a High-Performance Operation: Reflections on Leadership & Change”.

Dr. Baldwin earned a BS (Operations Management) from the U. of Oregon, a MS (Forestry) from Stephen F. Austin State U. (Texas), and a Ph.D (Public Affairs) from the U. of Texas at Dallas. He has completed advanced studies in Strategy and Complexity at the Santa Fe Institute and certifications in Mediation and Dispute Resolution at Southern Methodist U. He holds the Certified Forester designation from the Society of American Foresters.

Wood Award

The **Wood Award** recognizes the most outstanding graduate student research conducted in the field of wood and wood products. Wood Award papers describe original research on a wide range of topics, including but not limited to harvesting and forest operations, product development and manufacture, fundamental properties, end-use applications, and distribution and marketing. The 2021 winners are:



First Place: Marcel Kropat

NC State University

“Towards Inline Prediction of Color Development for Wood Stained with Chemical Stains Using Near-Infrared Spectroscopy”

Marcel Kropat, fascinated by the material wood, is a researcher at the Department of Forest Biomaterials at North Carolina State University, where he has been pursuing his Ph.D. since 2019. He is a specialist in wood science and conducted interdisciplinary research on simulated aging of wood for decorative utilization for interior accessories and furnishings, including chemical and mechanical research, data science, and social science.

Before devoting his work full-time to the Ph.D. program, Marcel pursued a Bachelor of Science and Master of Science in Wood Science at the University of Hamburg, Germany. Here he was learning and researching in the various fields of wood science, including chemistry, wood composite technology, global markets, forestry, and wood processing technology.

Marcel is a certified master carpenter with 15 years of experience planning and building custom-made furniture and interior accessories. He was a freelance carpenter from 2010 to 2018 and collaborated with professional entrepreneurs in Germany and Switzerland to manage and realize interior construction projects. Marcel was honored as best of the year in his skilled carpenter and master carpenter apprenticeships.

He lives in Raleigh, NC and enjoys cycling, hiking, and spending time with friends and family in his free time.



Second Place: Nasim Alikhani

University of Maine

“Optimization of the Structure of Cellulose Nanocrystal Reinforced Polydimethylsiloxane Membranes for Improving Water Vapor/Air Separation Performance for Wood Drying”

Nasim Alikhani is a Ph.D. candidate in Forestry with a concentration in Bioproducts Engineering at the University of Maine. Nasim is currently doing research on CNC reinforced membrane for Improving Water Vapor/Air Separation Performance for Wood Drying in Bioenergy Lab under the supervision of Dr. Ling Li.

L.J. Markwardt Award

Dr. Hongmei Gu



The L.J. Markwardt Award recognizes the author(s) of a ***Forest Products Journal*** or ***Wood and Fiber Science*** technical paper published during the previous two years that has the most outstanding merit in the field of wood as an engineering material. This award encourages research and promotes knowledge of wood in the engineering field to enhance the efficient utilization of wood. This year, the selection was focused on Engineering Science (Basic).

The 2022 winning paper is:

“Comparison of Building Construction and Life-Cycle Cost for a High-Rise Mass Timber Building with its Concrete Alternative”

Authors: Hongmei Gu, Shaobo Liang, Richard Bergman

The article was published in the ***Forest Products Journal***, Vol. 70, Issue 4, 2020.

Dr. Hongmei Gu grew up in Beijing China, graduated from Beijing Forestry University, and came to US in 1996 to pursue graduate studies at Virginia Tech. She received PhD degree in 2001 from the Sustainable Biomaterials Dept, (Wood Science and Forest Products Dept. then). She now is working for USDA Forest Service Forest Products Laboratory located in Madison Wisconsin.

Dr Gu has been engaged in advancing forest biomass utilization and greenhouse gas emission reduction using the life cycle assessment (LCA) tool, bolstering innovation of wood use in green building designs and nanocellulose in value-added applications. Recent years, Dr Gu has focused and published several papers on Mass Timber building LCA and life cycle cost analysis to support US Forest Service policies in climate smart resource management. Dr. Gu has worked at the Forest Products Laboratory for 19 years.

Distinguished Service Award

Dr. Fred Kamke



The **Distinguished Service Award** is presented to the individual who has demonstrated outstanding dedication to the Forest Products Society and biomaterials industry as a whole. The award recipient will have contributed to the society and the industry throughout their career through research, society leadership positions, and service.

Dr. Kamke's research specialization is heat and mass transfer in wood and wood-based products, with emphasis on adhesion science, modeling, manufacture and performance of wood-based composites, and green building materials. He is the author of over 200 technical publications and presentations. Dr. Kamke has had primary responsibility for over \$16 million in extramural research grants and contracts. He has taught college level courses in physical and mechanical properties of wood, wood anatomy, wood-based composite manufacture, drying of wood, wood and water relationships, durability of wood products, adhesion, and building construction. Dr. Kamke also regularly teaches traditional and online short courses developed for the wood-based composites industry. He is actively engaged in consulting activities in the areas of his research specialization. Dr. Kamke is a Fellow in the International Academy of Wood Science and a past president of the Society for Wood Science and Technology.

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ABOUT THE FOREST PRODUCTS SOCIETY

The Forest Products Society is an international, not-for-profit technical association founded in 1947 to provide an information network for all segments of the forest products industry. Its mission is to contribute to global stewardship by encouraging the social, economic and environmentally sustainable use of wood and other renewable cellulosic materials.

Membership is open to all interested individuals and organizations. Visit ForestProd.org for more information.