



I-RIM Conference 2016 - Speaker Bios



Greg Lewis

Greg Lewis is Vice President of Wood Panels for Forest Economic Advisors LLC. Greg's focus is on wood panel markets. He writes FEA's *Structural Panel Advisor* and *Particleboard and MDF Advisor* and is the primary author of FEA's Structural Panel and Particleboard/MDF Quarterly Forecasting Service publications. Greg has also co-authored studies on the international wood panel and lumber industries and has presented at numerous conferences in North America and abroad. He has been covering the wood panel markets since 1999. Greg holds a master's degree in economics from the University of Washington and a bachelor's degree in economics from Oberlin College.



David Yarbrough

Dr. Yarbrough is Vice President of R&D Services, Inc. a testing and consulting company located in Cookeville, TN. Dave is Professor Emeritus of Chemical Engineering at Tennessee Technological University. Dave holds the PhD in Chemical Engineering from the Georgia Institute of Technology. He is a registered professional engineer and author or co-author of over 200 technical papers or reports. Dave has been active in technical areas related to thermal insulation for over 25 years.



Mario A. Medina

Dr. Medina has been involved in the experimentation and simulation of the performance of attic radiant barriers since the late 1980's. Dr. Medina is an associate professor in the Civil, Environmental, and Architectural Engineering Department at the University of Kansas and has an appointment in the Mechanical Engineering Department. He joined the faculty in 1998. Dr. Medina holds a Ph.D. in mechanical engineering with a specialization in thermal sciences. He has extensive experience in the modeling and experimentation of building components, including radiant barriers and building systems. He has published over 35 technical articles in the area of building energy efficiency and written over 100 reports detailing energy conservation procedures from assessments in industrial manufacturing plants. He received an "Outstanding Service Award" from the Office of Industrial Technologies of the US DOE for work related to promoting energy conservation.



Jeffrey Steuben

Jeffrey Steuben is the Executive Director for the Cool Roof Rating Council (CRRC), an independent, non-profit educational organization created in 1998 to develop accurate and credible methods for evaluating and labeling the radiative properties of roofing products and to disseminate the information to all interested parties. Mr. Steuben oversees the day-to-day operations of the Product Rating Program and works closely with the CRRC Board of Directors. Mr. Steuben previously served as the Technical Liaison for the CRRC and analyzed CRRC research data with the CRRC Technical Committee. Mr. Steuben has spoken on behalf of the organization at RCI's International Convention in 2013, and the International Roof Coatings Conference in 2011 and 2014. Mr. Steuben received a Bachelor of Science degree from Humboldt State University in Environmental Science and a minor in Geographic Information Systems.



Bernard Casse

Dr. Casse manages the Metamaterial Devices & Applications (MDA) business area at PARC, a Xerox company. The MDA group develops advanced metamaterial prototypes for a wide variety of applications including cleantech and energy, communications, medical, sensing, and defense applications. At PARC, Dr. Casse's roles consist of making strategic investments in early-stage technology platforms, leading a team of world-class performers, nurturing an innovative culture, and ensuring that his team delivers innovative technology solutions to the hard problems posed by Fortune 500 clients, U.S. Government agencies and other partners. Prior to PARC, Dr. Casse was a principal scientist at Physical Sciences Inc. (PSI), where he led and managed multiple million-dollar U.S. Government-sponsored projects focused on developing disruptive technologies and advanced manufacturing systems. In earlier years, Dr. Casse was a research scientist at the Electronic Materials Research Institute at Northeastern University where he made several key breakthroughs in the field of metamaterials and photonic crystals. He was also a qualified cleanroom user of the Harvard Center for Nanoscale Systems (CNS) and the Center for Functional Nanomaterials (CFN) at Brookhaven National Laboratory.



Eric Martin

Eric Martin is a Senior Research Engineer in the Buildings Research Division at the Florida Solar Energy Center (FSEC). He currently is a member of the Building America Industrialized Housing Partnership, sponsored by the US Department of Energy, where he conducts research and provides technical assistance to the home building industry to improve the environmental performance of homes. Mr. Martin has been active in the state as well as national green building movement through his work at FSEC, and through previous service on the Board for the Florida Green Building Coalition, Inc., and the LEEDTM Homes Committee of the US Green Building Council. He chaired a committee to develop a statewide green residential building standard. He has also been involved with development of a green standard for Florida City and County governments, and has authored a document containing green guidelines for maintaining existing commercial buildings in Florida. He also conducted research in the areas of photocatalytic pollutant detoxification, sponsored by the US Navy, which resulted in seven US patents. Mr. Martin has also been involved with hydrogen energy research, including design, simulation, and optimization of a renewable hydrogen energy system for remote applications.



Andre Desjarlais

André Desjarlais is the Program Manager for the Building Envelopes Research Program at the Oak Ridge National Laboratory (ORNL). He has been involved in building envelope and materials research for over 40 years, first as a consultant and, for the last 22 years, at ORNL. He is active in the building industry, participating in ASHRAE, ASTM, Cool Roof Rating Council, SPRI, RCI Foundation, Roof Industry Committee on Weather Issues, Federal Roofing Committee, and the Building Environment and Thermal Envelope Council. Areas of expertise include building envelope and material energy efficiency, moisture control, and durability.



Martin Oxley

Martin Oxley is an Insulation Certification Project Manager with the British Board of Agreement (BBA) in the UK. He is a chemistry graduate from Salford University together with over 30 years of industrial experience in various technical roles. A keen focus of 'application & performance in use has been developed by membership of several trade association technical committees. The BBA is an international authority on approved products in the UK construction industry. From their extensive site in Watford, over 100 specialists work across the Product Approval, Installer Approval and Inspection, Test and Management Systems areas, delivering accredited certification and assurance that specifiers, manufacturers, suppliers and members of the public can rely on. They hold United Kingdom Accreditation Service (UKAS) accreditations for Product Approval, Test Services, Site Inspection and both Quality and Environmental Management Systems.



Brian St. Germain

Mr. St.Germain is the Director of OSB Quality and Technology for LP Building Products. He has over 20-years' experience in the development and growth of value-added wood products and has expertise in single and multi-family construction practices, building systems, building science, building codes, and code development. Mr. St.Germain actively supports several industry associations and is currently the Chairman of APA – The Engineered Wood Association's Quality and Technical Advisory Committee and also chairs FP Innovations (Canada) Primary Wood Products Manufacturing Committee. He currently serves on RIMA's Board of Directors. Mr. St.Germain is a graduate of Michigan Technological University with a degree in Wood Science.



Laurel Elam

Laurel Elam has been RESNET's Conference Coordinator since 2010 and Quality Assurance Manager since 2013. Before joining RESNET Laurel was a project manager with the Appalachian State University Energy Center. She graduated from Appalachian State University, with a degree in Appropriate Technology and a minor in Sustainable Development. The main focus of her work at the Energy Center was specific to promotion of residential energy efficiency and ENERGY STAR Homes. She is the co-author and designer for the Affordable Passive Solar Planbook for North Carolina and was the coordinator of the annual NC ENERGY STAR Conference.



Shawn Lucas

Mr. Lucas is currently Development Manager for Ampacet Corporation. He has worked for Ampacet for 18 years as an analytical chemist, development engineer, and Manager of Analytical Services. He holds three degrees from Indiana State University in chemistry and business. In his current position, Shawn manages the development of novel additive packages to offer unique chemical and physical properties to extruded polymer systems. These additives include such chemistries as light stabilizers, antioxidants, antistats, slip and release agents, antiblocks and many others.



Doug Kinninger

Doug has been with Fi-Foil Company for ten years in Operations, Supply Chain and Product Development including Gas-Filled Panel (GFP) Product Manager. Doug has been involved in the development of No-Mold Multi-Layer Reflective Insulation (M-Shield), Attic Armor (GFP), and GFP for soft-sided military shelters as well as implementing a recycling program compliant with LEED standards. Product development responsibilities have taken Doug to several testing laboratories in the US and Canada as well as US military research facilities. His RIMA-I responsibilities include Board Director and Verification Committee Chairman.



Marc LaFrance

Mr. LaFrance works on the Residential Buildings Integration Team and the Emerging Technologies Team at the US Department of Energy Building's program to help develop and implement advanced technologies. His core focus is on all residential based systems with a special focus on building envelope and window applications for all buildings. His initial positions at the US DOE began in 1993 where he worked on the Codes and Standards program, the ENERGY STAR program, and an emerging technologies lighting, appliance and equipment program. He managed the window and envelope R&D program for 10 years from 2002 to 2012. Prior to his current role, Mr. LaFrance managed the energy analysis for the building's sector at the International Energy Agency's Sustainable Policy and Technology Directorate in Paris from 2012 to 2015. Prior international experience included an assignment at the Asia Pacific Energy Research Centre in Tokyo working on macro energy and economic analyses for the APEC region from 2000 until 2002. Mr. LaFrance received his BS Degree in Mechanical Engineering in 1985 from the University of Massachusetts, Dartmouth, and a MS Degree in Urban Systems Engineering in 1998 from George Mason University. He also is recognized as a Certified Energy Manager and a Certified Sustainable Development Professional by the Association of Energy Engineers.



Teh Khar San

Ms. Teh Khar San is currently the Operations Manager of San Miguel Yamamura Woven Products* Sdn. Bhd. (SMYWP), Malaysia that manufactures radiant barrier and reflective insulation products for local and international markets, e.g., USA, Japan, South Africa, Australia and China. After obtaining her BEng (Chem), she joined SMYWP in 1998 as quality control executive and worked her way up to the present position. Her intuitive and analytical mind has helped the Company to develop new products and applications, leading to filing of 2 international patents. She is now conducting a comprehensive field evaluation on radiant barrier and reflective insulation products in Malaysia.



Joshua New

Joshua New has a Ph.D. in Computer Science and currently serves at Oak Ridge National Laboratory as the Building Technologies Research and Integration Center BTRIC's subprogram manager for Software Tools & Models on projects involving websites, web services, databases, simulation engine development, visualization, supercomputing and artificial intelligence. He is active in both IEEE and ASHRAE, has over more than 75 peer-reviewed publications, and has led more than 45 competitively-awarded projects in the past 5 years. Joshua New has been active during development of the RSC modeling algorithms and created the RSC web interface.

Nina Umnyakova



Nina P. Umnyakova was born in Moscow in the Soviet Union and graduated from the Moscow Civil Engineering Institute (now the Moscow State Civil Engineering University, MGSU) with a degree in Industrial and Civil Engineering. After passing the PhD defense she worked in the Department of Buildings Technical Maintenance in MGSU. In 2009, she became Deputy Director of Science in the Research Institute of Building Physics of the Russian Academy of Architecture and Building Sciences (NIISF RAABS). Scientific interests include building thermal physics, energy saving, thermal protection of buildings, examination of buildings. She is currently engaged in the research of thermal protection of ventilated facades, durability of the stone wool insulation under operating conditions of a cold climate; and for the last 5 years, she's studied heat protection properties of materials with reflective insulation, conducted both the experimental research in climate chambers and performed theoretical calculations. She has also authored more than 150 scientific articles and a state standard GOST R "Buildings and Structures - Calculation of the thermal protection of external walls with reflective insulation".



Jan Kosny

Dr. Jan Kosny is a leading building envelope researcher and university professor with 35 years of experience in building sciences and civil engineering. He has published over 150 technical articles, has authored a book on PCMs, co-authored several book chapters, and has received numerous patents related to building envelopes. He is the recipient of a 2009 R&D 100 Award for the development of low-flammable PCMs. He has extensive experience in collaborating with industry to commercialize advanced building technologies. For over 25 years Dr. Kosny has been involved in testing and analysis of residential and commercial wall and roofing technologies. In 2007–08, Dr. Kosny, in collaboration with Dr. W. Miller, developed a novel residential roofing system reducing over 95% of cooling loads comparing to conventionally designed roofs. In 2007 - 2010, while at ORNL, Dr. Kosny led the industry- and DOE BTO-sponsored project aimed at development and testing of novel roofing configurations utilizing cool-roof coatings, over-the-deck ventilation, Radiant Barriers (RBs) and PCM-heat sinks. After joining Fraunhofer CSE, during 2010-13, he ran several Building America field demonstration projects, including a project focused on residential attics using RBs and Interior Radiation Control Coatings (IRCC). Currently, Dr. Kosny leads a number of multiyear projects sponsored by NSF, DoD, DOE BTO, and private industry, focused on laboratory and field testing of roofing technologies, advanced thermal insulations and PCMs, and on development of computer models for thermal analysis of roofs and attics, including DOE EERE SunShot project focused on the Plug and Play affordable roof installed PV technology.



Guy Delcroix

Mr. Delcroix is a Consultant in Energy Efficiency. His diploma is MSc Ecole Centrale de Paris.



Wes Hall

Wesley Hall is with Reflectix, Inc., a manufacturer of reflective insulation and radiant barrier products. Wes has been in the reflective products industry for 25 years and is active in ASTM C16, ASTM C16.21 (past chairman), ASHRAE and ICC. Mr. Hall currently is on the Reflective Insulation Manufacturers, International Executive Board of Directors and additionally holds the position of Code Committee Chairman.



Jeff Thistle

Mr Thistle is a graduate of the University of WI, Stevens Point. He is Vice President of Sales for Packaging Dynamics, Specialty Packaging and Lamina-tions. He is responsible for sales and product development for the International Converter division of Packaging Dynamics. International Converter is a leading producer and supplier of laminates and facers used in reflective insulation and radiant barrier applications. With significant technical resources and a global presence, International Converter is continually developing new products used in many different insulation applications.



Monty Millspaugh

Mr. Millspaugh has been at Reflectix for 23 years. In that time he has worked in sales, marketing, operations and research and development. He was one of the original members of the Board of Directors and served on the board for many years. Currently he is the VP of Technical Service. He continues to represent Reflectix at the Reflective Insulation Manufacturers Association (RIMA) as a board member and as chairman of the technical committee. Monty also represents Reflectix at American Society of Testing and Materials International. He has served as the Subcommittee Chairman and Secretary of C 16.21 on Reflective Insulation. Currently he is the Chairman of the RIMA Technical Committee.



Roger Drain

With over 21 years of industry experience, the last 8 years as Dunmore Corp's Business Development Manager, Roger focuses on a wide range of technical sales for Dunmore's growing businesses. Roger's experience & skill set in the metallized, coated & laminated specialty films and fabrics business is expected to match very well with RIMA's culture, and more specifically, as the PR committee's newest contributing member. His expertise is diverse and spans from high-performance packaging & security films, to many types of energy management products, including aerospace, solar, automotive, reflective insulation & light filtering tri-laminated window treatments.



Robert Wadsworth

Mr. Wadsworth is President of Innovative Energy Inc. and has been engaged in the reflective insulation industry for over 30 years. He has been an active member of RIMA-I, serving on the board of directors and every executive office position over the years. He has conducted a number of seminars in various building industry conferences and trade shows, including several at NFBA in the 90's. His company specializes in providing protective packaging solutions for temperature sensitive products during shipment.



Sergio Luconi

Sergio has been Business Director and co-founder of Prodex in Costa Rica since 1996. He holds a Master's Degree in Marketing and International Trade. He also has pursued studies in business strategies, management of board of directors, family companies, and corporate governance. Has vast experience in reflective insulation and radiant barriers. He has been responsible for opening and developing markets of reflective insulation and radiant barriers in more than 26 countries in Latin America, North America, and Europe. Currently, Mr. Luconi is a member of RIMA International board of directors.