



Speaker Biographies 2014



Ayse Ademuwagun

Ayse Ademuwagun holds both a Bachelor's degree in Chemistry and a Master's degree in Polymer Technology from Eastern Michigan University. She worked for 4 years as a Formulation Chemist on UV-curable coatings in the graphic arts industry with EFI, and she

also worked for 2 years on coil coatings for industrial applications while at Chemical Dynamics. While working at the Toyota Technical Center on special-effects coatings, she obtained a patent on a process for manufacturing a stand-alone multilayer thin film. Currently, she employed as a Material Engineer at Hyundai America Technical Center Inc. where she has responsibility for bio-plastics development and substances of concern countermeasures for automotive applications.



Daniel Ageda

Daniel Ageda, Secretary General and Chief Operating Officer (COO) at JEC, is fully committed to the expansion of composites and the networking of science, technology, and business communities worldwide. He joined JEC in 2012 and has over 20 years' experience

in plastics and composites, mostly working in the automotive industry within OEM and tier suppliers, but also in other segments such as construction and bio-composites. Ageda has held a number of senior management positions, including COO, Managing Director, Strategy Development Director, and R&D Director. He is a proven international business leader, with solid industrial experience gained in an international and multicultural environment. His career has been dedicated to the plastics and composites industries, fostering innovation, engineering, and new business development. Ageda holds an M.B.A. degree from HEC School of Management in Paris, as well as an Engineer's degree / post-Master's degree in Plastics Processing & Polymer Sciences from INSA Lyon, plus an M.S. degree in Polymer Science & Technologies from the University Claude Bernard in Lyon.



Koichi Akiyama

Koichi Akiyama joined Mitsubishi Rayon Co., Ltd. in 2007. He is a Group Leader of automotive composites material development group and responsible for development of a mass production process for automotive carbon fiber-reinforced plastics, including material,

molding process, and applications. He has 20 years' experience in research and development of unsaturated polyester and vinyl-ester resins, molding compounds such as SMC and BMC made of various thermoset resins, reinforcements, and also molding processes for these materials.



Alexander Auken

As Global Automotive Manager, Alexander Aucken, CEng, MIMechE, is responsible for the technical and commercial coordination required to deliver Cytec's automotive strategy. He is a chartered mechanical engineer with over 22 years of automotive design, development,

and manufacturing experience. Auken has worked for various OEMs and their Tier 1 suppliers, including more than a decade in automotive composite development. He has a breadth of experience in vehicle engineering, composite structures, and powertrain system development, with a focus on structural integration, cost reduction, and high-volume manufacturing technologies.



David Arthur

David J. Arthur has 30+ years' experience commercializing products utilizing advanced materials, including work at Rogers Corporation, A.T. Cross Company, TPI Composites, Helix Technologies, and Eikos. He holds a B.S. degree from Tufts University and an M.S. degree from the

University of Connecticut, both in Chemical Engineering, as well as an M.B.A. degree in Business Administration from Northeastern University. In 2005, Arthur co-founded Chasm Technologies, a consulting firm that helps its clients commercialize new products through smart application of materials science and process technology. Since 2006 he has been CEO of SouthWest NanoTechnologies (SWeNT), a leading producer of single-wall, few-wall, and specialty multi-wall carbon nanotube materials for electronics, energy storage, and composites applications.



Fatimat Bakare

Fatimat Oluwatoyin Bakare has been a lecturer at Lagos State University, Lagos-Nigeria, in the Department of Chemical and Polymer Engineering since 2009, where she earned her B.Sc. in Chemical and Polymer Engineering with honors in 2004. She then proceeded into an M.Sc.

programme in Industrial and Production Engineering at University of Ibadan, Oyo-Nigeria in 2006 and graduated in 2008. She is currently a graduate student at University of Borås, Sweden working towards her Ph.D. in the Polymer Technology group in the Department of Resource Recovery, sponsored by her home University in Nigeria. Her Ph.D. work is currently supervised by Professor Mikael Skrifvars and co-supervised by Dr. Dan Åkesson. She is now in her final year of her Ph.D. programme and will finish in 2015. Her research focus is based on Synthesis of Bio-Based Thermoset Resins for Composites Productions.

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Jay Baron

Dr. Jay Baron is President and CEO of the Center for Automotive Research (CAR). His research focus includes automotive tooling, vehicle assembly, process validation, and competitive evaluation of technologies for advanced lightweight materials processing and business-case assessments. Previously, Baron was a Research Scientist at University of Michigan where he developed new tooling tryout techniques to accelerate vehicle launches, improve quality, and reduce costs. He also introduced new analysis methods to correlate tryout, stamping, and body assembly processes and led global benchmarking studies. Baron holds Master's and Doctorate degrees in Industrial & Operations Engineering from the University of Michigan and an MBA from Rensselaer Polytechnic Institute.



Peter Brookes

Peter Brookes obtained a Master's degree in Chemical Engineering at Imperial College, London and then completed a Ph.D. at the same university before embarking on a career in the water-treatment industry. From 1998 onwards he has worked in the polyurethanes industry, first in France with Arco Chemical / Lyondell / Bayer and subsequently for Huntsman. He is currently based at Huntsman's European headquarters in Everberg, Belgium. Brookes has held a variety of technical, product management, and business management roles and spent 7 years focusing on flexible foam applications for the furniture market. Since the beginning of 2013, he has been responsible for taking new technology platforms to market, and one of his current responsibilities is in the field of advanced composite resins for automotive applications.



Mathilde Chabin

Mathilde Chabin is currently in charge of Composites Manufacturing Business Development and Product Marketing with ESI Group in France. Previously she led the Stamping & Composites technical team with ESI North America in Detroit, Michigan. Chabin holds a Mechanical Engineering degree from ENSIAM and has 14 years of industrial experience in finite-element analysis in the stamping and composites forming industries.



Habib J. Dagher

Dr. Habib Dagher is Professor of Civil/ Structural Engineering at the University of Maine, Bath Iron Works Professor of Structural Engineering, and founding Director of the Advanced Structures and Composites Center. Established by the National Science Foundation in 1996,

the interdisciplinary Advanced Structures and Composites Center is a world leader in the development of cost-effective, high-performance hybrid composite materials for construction applications. The Center's goals are: (1) world leadership in its research programs; (2) outstanding education for its student trainees; and (3) supporting and growing industry through technological innovation. Under Dagher's leadership, the center has grown from 4 to 40 associated faculty and full-time staff in 10 years and annually employs 150 graduate and undergraduate students from 15 different academic departments. Dagher has received numerous awards for his work including the University of Maine's Distinguished Maine Professor Award in 1995 (the highest award offered annually to one faculty at UMaine), the 2004 New England Board of Higher Education Excellence Award, and the UMaine Presidential Research and Creative Achievement Award in 2003. He has written over 120 technical publications, chaired national technical committees in the structural/ bridge engineering and composite materials fields, and serves on the Science and Technology Advisory Board for Maine's governor. He received his doctorate in Structural Engineering from the University of Wisconsin-Madison in 1985 and also holds 2 Master's degrees in Structural Engineering and in Engineering Mechanics.



Charles Dal Castel

Dr. Charles Dal Castel is currently a Postdoctoral Fellow in the Department of Chemical Engineering at the University of Waterloo, Canada. His research is focused on the structure-processing-properties relationship of polymer blends and nanocomposites. He is interested in polymer processing, advanced polymer characterization, and polymers from renewable sources. Dal Castel has published 8 papers in peer-reviewed international journals and presented at several scientific conferences. He received his Master's and Ph.D. degrees in Chemistry from the Federal University of Rio Grande do Sul in Porto Alegre, Brazil and his Bachelor's degree from Lutheran University of Brazil.



Kurt Danielson

Kurt Danielson is a Project Engineer for e-Xstream engineering and has spent the last year working to help customers apply the Digimat material modeling software to accurately characterize their composite materials and increase the accuracy of their finite-element analysis of composite designs. Prior to joining e-Xstream, Danielson spent 6 years working as the Engineering Manager of Aptera Motors, a high-efficiency electric vehicle company focused on composite materials and other technologies to vastly reduce the fuel consumption of a custom-designed vehicle platform. Danielson earned his Bachelor's degree in Mechanical Engineering from the University of Colorado.



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Louis Dorworth

Louis C. Dorworth has been involved with the advanced composites industry since 1978. He has been employed by Abaris Training since 1989, where he currently serves as the Manager of the Direct Services Division. He is a composite material and process specialist, with

experience in R&D, M&P, and manufacturing engineering, tool design, and tool fabrication. Dorworth has been a professional member of the Society for the Advancement of Material & Process Engineering (SAMPE) since 1982, and a senior member of the Society of Manufacturing Engineers (SME) since 1997, where he is currently the chair of the Plastics, Composites, and Coatings Community (PCC). He also is a well-published author and conference presenter and is a co-author of the popular textbook titled Essentials of Advanced Composite Fabrication & Repair, published by Aviation Supplies & Academics, Inc. (ASA).



Lawrence Drzal

Lawrence T. Drzal is a University Distinguished Professor of Chemical Engineering and Materials Science as well as Director, Composite Materials and Structures Center at Michigan State University (MSU). He received his Ph.D. at Case Western Reserve University and

joined MSU in 1985 after serving as a military and civilian researcher at the U.S. Air Force Materials Laboratory at Wright-Patterson Air Force Base in Dayton, Ohio, where he was responsible for interfacial research in advanced composite materials and adhesively bonded systems. Since joining MSU, his research has been directed at understanding the fundamental physical and chemical interactions that take place between polymers and the surfaces of adherends, fibers, fillers, and nanoparticles in composite materials and adhesively bonded structures. Currently his research group is investigating multifunctional, inexpensive graphene nanoplatelets; nanostructuring of materials for enhanced energy generation and storage applications; and surface modification with UV light and air to control adhesion. During his career, Drzal has published over 350 peer-reviewed research papers, and has been awarded 31 patents. He has been identified by ISI as one of the most-cited materials researchers. He currently serves on the editorial board of 5 journals and on numerous government committees and has been elected a Fellow of 5 professional societies. In 2007, he co-founded XG Sciences, Inc., a Michigan-based graphene nanoplatelet company where he serves as Chief Scientist.



Duane Emerson

Duane Emerson is a Senior Development Engineer with the Automotive OEM Marketing Group for Celanese Engineered Materials. He has been with Celanese since 2001 focusing on new client and application development in addition to alternative processing technologies, including the fabrication of thermoplastic composites parts. Emerson's expertise includes a wide range of metal-to-plastic conversions within

the automotive industry (exterior body components, windshield wiper systems), U.S. Department of Defense (military hardware), and industrial applications (fluid handling pumps, air compressors, door hardware, power tools, and mining & construction equipment). He holds a Bachelor's degree in Mechanical Engineering from the University of New Hampshire.



Ryan Emerson

Ryan Emerson earned his Ph.D. in Engineering Science and Mechanics from Penn State University in 2002. From 2002-2013, he performed and led research in composites as a Materials Engineer at the U.S. Army Research Lab, Weapons and Materials Research Directorate at the Aberdeen Proving Ground. Emerson joined PPG in 2013 and currently leads an Applications Development group at PPG Fiber Glass.



David Evers

David Evers joined Momentive, bringing over 20 years of expertise in life-cycle analysis (LCA) and sustainability. In his LCA work he has prepared LCAs on weapons systems, medical products, computer parts, food additives, agricultural products, and packages of all types for food and consumer goods. His other work has been in water and wastewater treatment, waste minimization, and process design.



Sean Fowler

Sean Fowler is a Technical Marketing Specialist at Q-Lab Corp. He works with a variety of industries to help companies develop practical weathering test protocols. He enjoys teaching customers about the fundamentals of weathering testing and learning from their experiences. During Fowler's many years with Q-Lab, he has developed technical training programs and held seminars around the world, in addition to providing direct technical support to customers. He holds a B.A. degree in Business Management from Malone University in Canton, Ohio, and an MBA from Kent State University in Kent, Ohio.



Peter Friedman

Dr. Peter Friedman is currently Manager - Manufacturing Research at Ford Motor Co. where he works on vehicle lightweighting technologies. He holds over 20 U.S. patents and has authored more than 50 publications, including 3 book chapters. Friedman has worked for Ford for 18 Years. He holds a B.S. degree in Mechanical Engineering from University of Pennsylvania, an M.S. degree in Mechanical Engineering from Columbia University, and a Ph.D. degree in Mechanical Engineering from University of Michigan.

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Tommy Fristedt

Tommy Fristedt is Founder and President of LayStitch™ Technologies, provider of unique machine and manufacturing solutions for automated Tailored Fiber Placement (TFP). He has worked as an inventor with product planning and development of technologies for the

automotive industry for over 20 years. Before starting LayStitch, Fristedt was Global Product Manager, Seat Climate for Kongsberg Automotive. He has broad experience inventing, developing, and commercializing high-volume products supplied to the major car manufacturers in North America, Europe, and Asia.

Markus Geier

Dipl.-Ing. (TH) Markus Geier holds a degree in Mechanical Engineering from the University of Karlsruhe. In 2000 he joined the Schuler Group working for the Hydraulic Press business unit. He changed to project management in 2002 after spending 2 years in Sales at Schuler SMG. As a Project Manager, Geier was in charge of implementing hydraulic press lines for the automotive industry in Europe, the U.S., and Asia. Since 2010, he has worked as a Sales Manager at Schuler Pressen GmbH in the Hydraulic Press Line Division for composites.



Klaus Gleich

Dr. Klaus Gleich is a Senior Research Associate at the Technical Center of Johns Manville, Littleton, Colorado, where he manages the Sizing Technology group and is involved in application development and development of new products. He has

more 20 years' experience in advanced materials development and processing and is well known for his expertise in thermoplastic composites. Over the years, he has held key positions in the material, process, and application development as well as in production of composites parts. While at the Royal Dutch Shell Group (later Fibron Technology), Gleich was responsible for the development and production of LFT materials and for processing those materials to produce automotive parts. He also worked on the development of parts for resin-transfer molding (RTM) and reaction-injection molding (RIM). Later he joined Kannegiesser-KMH as Managing Director. After moving to the U.S., Gleich was in charge for the Polymer Composite Group at Southern Research Institute. He received his university degree in Chemistry at the University of Konstanz and in Economics at the Fernuniversity of Hagen. He received his Doctorate degree in Chemistry at the University of Konstanz. He is a long-time board member of the Composites Division of SPE.



Brian Grady

Brian P. Grady received a B.S. degree from the University of Illinois in 1987, and a Ph.D. degree from the University of Wisconsin in 1994, both in Chemical Engineering. Since then, he has been employed by the University of Oklahoma as a faculty member in the School of

Chemical, Biological and Materials Engineering where he currently

is the Conoco-DuPont Professor of Chemical Engineering. Grady has authored over 100 refereed publications and book chapters and also is the author of a book entitled Carbon Nanotube-Polymer Composites Manufacture, Properties and Applications. He served on the Executive Committee of the Society of Plastics Engineers from 2008 to 2012 and served as Secretary of the Society in 2010-2011. He was elected as a Fellow of the Society in 2012.



Matthias Graf

Matthias Graf is currently the Managing Director of the Forming business unit of DIEFFENBACHER GmbH Maschinen – und Anlagenbau in Germany, a position he has held since 2010. From 2008 until 2010, Graf was Technical Director of the Forming business unit. Before that, from

2004 to 2008, he was Product Manager for High-Pressure Systems at Dieffenbacher, and from 1999 to 2004, he was Head of R&D for the company's Wood business unit. Graf gained international experience during a 2-year assignment in Canada at the company's North American operation in Windsor, Ontario as Engineering Manager from 1997 through 1998. He began his more than 20-year career at Dieffenbacher as a Design and Development Engineer. He holds a degree in Mechanical Engineering from the Karlsruhe University of Applied Science and an M.B.A. degree from University of Southern Queensland (Australia) through the European Study Center.



Stephen Greydanus

Stephen Greydanus is a Senior Application Development Engineer for Momentive Specialty Chemicals. He is an Industrial Designer with extensive experience in the design and manufacture of lightweight composite structures and interior components. In

his current role, he oversees Momentive's development activities at the Fraunhofer Project Centre for Composites Research in London, Ontario, Canada. Greydanus joined Momentive in 2013 after 18 years working in a variety of roles including R&D Leader for composites and engineering for interiors at European-based aircraft manufacturer, Diamond Aircraft Industries. He has managed activities ranging from design and development to tooling and assembly systems for several all-composite production aircraft with particular focus on out-of-autoclave composite processing.



Benjamin Hangs

Benjamin Hangs graduated in 2010 and holds a degree in Mechanical Engineering from the Karlsruhe Institute of Technology (KIT) in Germany. In May 2010, he started work as a doctoral candidate in Prof. Frank Henning's Polymer Engineering Department at the Fraunhofer Institute for Chemical Technology (ICT) in Pfaffzettel, Germany. Hang's research focuses on thermoplastic composites for high-volume production. In this context he is leading the activities related to thermoplastic tape-laying as well as the LFT-D compression-

molding technology and related process combinations.



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Tamotsu Harada

Dr. Tamotsu Harada has over 10 years of experience in the plastic industry, as well as experience in academic research on polymers. He received his Ph.D. degree in Engineering from Kyoto University in Japan and then did post-doctoral work at the University of Minnesota from 2001-2003

where his research focused on fundamental research on phase separation of multi-block copolymers. He returned to Kyoto University for additional post-doctoral research between 2003 and 2005 and this time his focus was on fundamental research on self-organization behavior of ionic block copolymers. From 2005-2006 Harada worked at GE Plastics Japan Ltd. in Product Development where he focused on engineering plastics for automotive wire-harness applications. From 2006-2009, he worked as a Senior Researcher for Sony Corp. where his efforts were focused on polymeric materials for lithium-ion batteries. He joined Mitsui Chemicals Inc. in 2009 as a Senior Researcher working on novel polymeric additives including the new ADMER products. In 2013, Harada returned to the U.S. when he joined Mitsui Chemicals America, Inc. as Technical Manager for the ADMER adhesive resin, providing technical support for customers in the Western Hemisphere, as well as developing new business and managing new business initiatives.



Mahmoodul Haq

Dr. Mahmoodul Haq is an Assistant Professor in the Department of Civil and Environmental Engineering at Michigan State University, and leads the group on Structural Joining and Tailorable Materials at the university's Composite Vehicle Research Center (CVRC). He received his

Ph.D. (2009) and M.S. (2005) degrees in Civil Engineering (CE) from Michigan State University, and his B.E. degree (CE) from University of Madras, India (2002). His research interests include the study of multi-material joining, cost-effective and tailorable materials, multi-scale reinforced hybrid composites, and computational simulation of materials and structures.



Troy Hendricks

Troy Hendricks is a Manager, New Technologies for the Technology & Advanced Development group at Johnson Controls Interiors. He is responsible for program management of new projects and using his background in chemistry and materials science to

solve launch issues. He received both his Bachelor's and Ph.D degrees in Chemical Engineering from Michigan State University. Thereafter, he spent several years at the Oak Ridge National Laboratory in Tennessee – first as a Postdoctoral Research Associate and then as an R&D Nanosystems Engineer. He has a background in nanostructure fabrication and characterization used for developing nanocomposites, superhydrophobic and nanostructured coatings, and an anti-wrinkle surface technology for consumer and military applications.



Liane Hilfert

Dr. Liane Hilfert is a research scientist at the Chemistry Institute of the University of Magdeburg, where she is the Head of Laboratories for Nuclear Magnetic Resonance and Infrared Spectroscopy. She studied Chemistry at the Martin Luther University, where she obtained

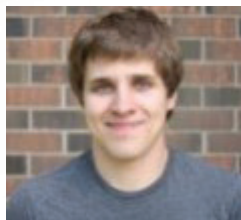
her Chemie-Diplom in 1992. She obtained her Ph.D. from the University of Potsdam in 1998, where she investigated heteroaromatic compounds of unknown structural and electrical behavior using NMR spectroscopic methods and molecular modelling. Hilfert was also Research Assistant at the University of Applied Science in Bernburg, from 2000-2003. Hilfert's research interests are in the field of structural assignments of new organic and inorganic compounds and determination of natural products, especially using modern NMR, Solid State NMR and IR Spectroscopy. She teaches courses in Modern Analytical Methods for Chemical Engineering.



Roman Hillermeier

Based in Duisburg (Düsseldorf), Germany, Roman Hillermeier is the Transportation Technology Manager at Momentive Specialty Chemicals Inc., which is headquartered in Columbus, Ohio. Before joining Momentive, Hillermeier worked in various leadership roles in the wind

and aerospace composites industries, both in Europe and the U.S. He earned his Ph.D. degree in Chemical Engineering (Composites) in 2000 from the University of Washington where he authored/co-authored several works on the engineering application of advanced composite materials.



Keith Honaker

Keith Honaker earned a B.S. degree in Chemical Engineering from Kettering University. During his studies there, a co-operative work experience at Argonne National Laboratory synthesizing polymer composites for fuel-cell bipolar plates and testing materials for their use in the

cathode of lithium-ion batteries got him interested in composites. After graduating, Honaker moved to Michigan State University where he is currently a third-year doctoral student. For the past 2 years, his work has focused on enhancing properties of a polymer matrix with graphene nanoplatelets for in automotive fuel tanks. Upon graduating with his doctorate, Honaker hopes to work in industry.

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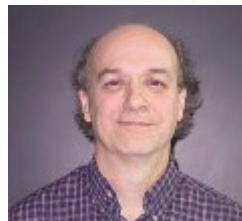
Allan James

Allan James is the Composites Marketing Manager for Dow Automotive Systems in North America. In this role, he is responsible for evaluating trends and managing marketing activity as well as business development for composites in the NAFTA region. He began his career at Dow Chemical Canada Inc. in 1981 in Research and Development (R&D) supporting plant processes. In 1990, he joined Dow Automotive TS&D where he was the Technical Leader/Scientist for reactive polymers, which included polyurethane materials, epoxy resins, and vinyl-ester resins. During this tenure, he has authored and co-authored a number of papers and patents with respect to thermosetting materials and automotive applications. In late 2011, James moved to the marketing function and is the lead marketing person for composites for Dow Automotive Systems in North America. He holds a Bachelor's of Engineering Science degree in Chemical Engineering from the University of Western Ontario.



Christoph Keckl

Dipl.-Wi.-Ing. Christoph Keckl studied Industrial Engineering in the Department of Plastics Science at the University of Erlangen from 2003 to 2010. His diploma thesis was on the topic of "Investigation of the influence of fibre contents on the flow characteristics of long fibre reinforced thermoplasts." During his education, he did an internship at Dr. Ing. h. c. F. Porsche AG in the area of technical procurement. He also worked as a student trainee at Areva GmbH in research and development. After graduating, he joined the Fraunhofer Institute for Chemical Technology (ICT) in Pfinztal where he is currently is a Scientific Assistant in the area of Sheet Moulding Compounds.



Carter Kittrell

Not available at press time.



Tobias Jansen

Tobias Jansen is currently Sales Manager for CSM applications and new technologies, especially HP-RTM Technology at the Hennecke Headquarters in Sankt Augustin, Germany. He graduated with a Bachelor's degree in Business Administration at the FOM, University of Applied Sciences in Cologne, Germany in 2011 and has been with Hennecke for 3 years. Jansen has a total of 9 years of technical capital equipment sales and after-sales experience.



Alper Kiziltas

Alper Kiziltas is a Research Scientist with the Plastic Research group at Ford Motor Co. where his particular interests lie in sustainable materials such as bio-based and recycled resins, natural fiber composites, and nanofiller-reinforced foams. He is a graduate of the University of Maine where he received his Master's and Ph.D. degrees from the School of Forest Resources. He has published over 30 papers and presentations in peer-reviewed journals and conferences, and holds 2 patent disclosures. He is a recipient of the SPE Composites Division's Perkin Elmer Scholarship award as well as the SPE Automotive Composites Conference & Exhibition (ACCE) Graduate Scholarship award.

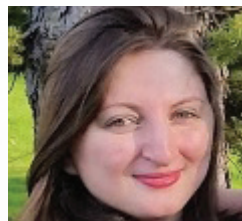
Thomas Joachim

Dipl.-Ing. (FH) Thomas Joachim holds a degree in Industrial Engineering (FH) with emphasis in Mechanical Engineering and 3-D design from the University of Applied Science in Schmalkalden. In 2004, Joachim joined FRIMO Group GmbH working in Pre-Engineering. For the past 6 years, he has been responsible for composite application sales.



Paul Kane

Paul Kane joined DuPont in 1984, and moved into Automotive Market Development in 1987 at DuPont's Performance Polymers Automotive Headquarters in Troy, Michigan. He holds a B.S. degree in Mechanical Engineering from the University of Notre Dame, a Master's degree in Mechanical Engineering from the University of Michigan-Dearborn, and a Professional Engineering (PE) License from the State of Michigan. He currently leads DuPont's Performance Materials North America Advanced Development Automotive Light-Weighting Solutions Team.

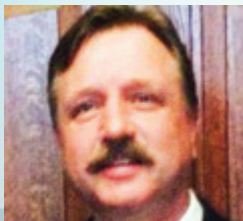


Esra Erbas Kiziltas

Esra Erbas Kiziltas holds a B.S. degree in Biology from Karadeniz Technical University and pursued an M.S. degree in Molecular Biology at the same college. In the spring of 2010, she was awarded a scholarship from the Scientific and Technological Research Council of Turkey (TUBITAK) to continue her studies in the United States. She enrolled in the School of Forest Resources at the University of Maine and hopes to achieve her Ph.D. there in August 2014.



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Jeff Klipstein

Jeff Klipstein has been with AOC in Valparaiso, Indiana since 2002. He is a Closed Mold Technical Service Specialist with over 26 years of experience in the thermoset industry. He holds a B.A. degree in Chemistry from the University of Akron.



Paul Krajewski

Dr. Paul Krajewski is currently Global Manager & Technical Fellow – Vehicle Mass Integration & Strategy at General Motors Co. where he leads teams developing GM's lightweighting strategy & mass reduction technology plan for future vehicles. Krajewski has experience with a variety

of lightweight materials including aluminum, magnesium, and carbon composites. He is considered a global expert in lightweight materials and automotive lightweighting. He has previously appeared on the History Channel's Modern Marvels Aluminum program as a subject matter expert. He also has been recognized by both *Fortune* magazine & MIT's *Technology Review* as a leading innovator. He has over 75 publications & 38 U.S. patents and was named a Fellow in ASM International in 2008. He also was the first recipient of the Briacombe Medal in 2012 and has been awarded the Mathewson Medal (2013) -- both from the Minerals, Metals and Materials Society (TMS). Krajewski holds B.S., M.S., & Ph.D. degrees in Materials Science from University of Michigan.



Kumar Kunal

Dr. Kumar Kunal is a Researcher at Evonik Corp. based in Richmond, Virginia. In his current role he is responsible for nanosilica and rubber tougheners for composite applications in the Americas. He has been working in the field of polymers and composites for 5 years

and has attended several SPE events, presenting papers at previous SPE ACCE and SPE Auto TPO conferences. He holds a Ph.D. degree in Polymer Science from the University of Akron and a Bachelor's of Technology from the Indian Institute of Technology.



Tie Lan

Dr. Tie Lan serves as the General Manager at Nanocor, Inc., a wholly own subsidiary of Amcol International Corp. Lan received his Ph.D. in Chemistry from Michigan State University under the guidance of Prof. Tom Pinnavaia in 1995. He was one of the first Ph.D. degreed chemists specialized

in polymer-clay nanocomposite materials. He joined Nanocor as a Research Scientist in 1996 and started his journey in commercializing nanocomposite technologies. In 2002, he was promoted to Technical Director. He holds more than three-dozen patents in the polymer-clay nanocomposite technology areas. He also has published more than 20 papers in nanocomposite research from his academic work at Michigan State University. In 2006, Lan assumed the General Manager position at Nanocor. Recently he co-authored several key books in the application of organoclays as flame-retardant additives published by AMI, Wiley, and others.



David Lashmore

David Lashmore holds Ph.D. in Materials Science from the University of Virginia and an M.S. degree in Physics from Michigan Tech. as well as a B.S. degree in Engineering Science from the University of Florida. He has both government experience from his work as a Group

Leader at the U.S. National Institute of Standards & Technology (NIST) as well as industrial experience as an R&D Director at MII, and for 8 years at Nanocomp which he co-founded. He was awarded the Electrochemical Society Research Award for electrodeposition, the Blum Award, the AESF research award, the Department of Commerce Bronze Metal, and the Award for Advanced Particulate Materials from the Power Metallurgy Society. Other industrial awards including a NASA Nano 50, and a *Wall Street Journal* award — both for carbon nanotube products developed by Nanocomp. Lashmore has over 90 archival papers and 42 issued patents.



Gary Latham

Currently the Design Director at Pratt & Miller, Gary Latham graduated with a degree in Mechanical Engineering from Kansas State University and started work as a designer for the Boeing Military Airplane Co. After working in several military and commercial aviation

programs, he returned to Kansas State for 6 years and worked as a liaison between the university and industry. Next, Latham moved to Michigan and began working as a Designer and Structural Analyst for RAETECH Corp., working on the *Dodge Viper* and NASCAR racing programs. For the last 11 years, he has worked for Pratt & Miller Engineering where he has primarily been involved with developing motorsports and defense systems and structures.



Alan Lesser

Dr. Alan Lesser is currently a Full Professor in the Polymer Science and Engineering Department at the University of Massachusetts (UMass). His research activities include structure-property relationships in polymers and polymer-based composites, nonlinear and fracture

behavior of polymer-based materials, and processing polymers in supercritical carbon dioxide. He also currently is the Director for the Composites Laboratory in the Polymer Science and Engineering Department at UMass. In addition, he is the Editor-in-Chief of two top technical journals sponsored by the Society of Plastics Engineers (SPE): *Polymer Engineering and Science Journal* and *Polymer Composites Journal*. Further, he serves on the Advisory Board for the *Journal of Applied Polymer Science*. He is a Fellow in SPE, has served as the Conference Chair for the Gordon Composites Conference, and has served as Chair of the Polymer Analysis Division and Failure Analysis and Prevention SIG of SPE. He has published more than 100 papers in refereed journals and more than 130 in conference proceedings. Lesser received his Ph.D. in Civil Engineering from Case Western Reserve University in 1988 and joined the faculty in the PSE Department in 1995 after spending 6 years in industry working as a Research Scientist for Shell Development Company.

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Scott Lewit

Scott M. Lewit is the President of Structural Composites, Inc. and COMPSYS, Inc., and a founding partner with both firms. He also was the Managing Director for the Navy CCT Marine Composites Technology Center, which was co-managed by Structural

Composites and housed in its R&D headquarters facility. Lewit is or has served on the Society of Manufacturing Engineers' Advisory Board and on the Technical Advisory Committee, CCT Steering Committee, and Magazine Steering Committee of the Composite Fabricators Association. He was the 2002 Chairman of the Executive Steering Committee for the Navy Center for Composites Technology and is currently serving on the TCC Executive Steering Committee. He now serves as Chairman of the board of Energy Florida and the sits on the board of Brevard County EDC Industry advisory council. In February 2014 Lewit was awarded the Freeman Award, the National Marine Manufacturers' lifetime achievement award. In October 2013 he was awarded Entrepreneur of the Year at the Florida TechExo, and was presented with a Congressional Medal of Merit from Congressman Posey. Lewit also was the winner of the Best Presentation Award for Composites at the 2002 Defense Manufacturers Conference. He has served on the U.S. Environmental Protection Agency's marine manufacturing MACT stakeholders committee for closed molding, and also as co-chair for materials in the Navy's high-speed sealift initiative. Lewit was the recipient of the 2010 Perseverance award from the SBA. He holds an M.S. degree in Ocean Engineering from the Florida Institute of Technology, and also has earned his Certified Composite Technician (CCT) status and CCT Instructor certification. In 2003, he was a principal in developing the composites training program for ABYC. Lewit is a co-inventor of the resin recirculation molding process and the patented PRISMA preform technology, as well as inventor of the strain-tunable co-cure coating and resin technology. He holds 14 issued patents and is a frequent session chair and speaker at composites industry conferences and seminars organized by organizations such as ACMA, IBEX, METS, SME, and SAMPE.



Chee Sern (Alex) Lim

Dr. Chee Sern Lim is an Application Development Engineer for INVISTA's Engineering Polymer Solutions business where he is actively engaged in development and innovation activities that solve industry problems through a combination of new application

technology and process development. Lim received both his M.S. and Ph.D. degrees in Mechanical Engineering from Wichita State University and has worked for INVISTA for more than a year. Before joining the company, he participated in research and development specializing in material processing, characterization, and the analysis of advanced polymeric composites for aerospace, naval, and energy applications.



Hendrik Mainka

Hendrik Mainka has worked as a Project Engineer for Volkswagen since 2011. He also is a Ph.D. candidate in the Manufacturing Engineering Department of University of Bremen in Germany. Mainka earned a Bachelor's degree in Chemical Engineering from the Otto-von-Guericke University in Magdeburg, Germany in 2008 and a Master's degree in Molecular and Structural Product Design from the same school in 2010. Mainka was also a Research Assistant at Otto-von-Guericke University from 2010 to 2011. The focus of his current research is on alternative precursors for sustainable and cost-effective carbon fiber production for the automotive industry.



Jan-Anders Månson

Professor Jan-Anders E. Månson received his Ph.D. from Chalmers University of Technology, Gothenburg, Sweden. After several years' industrial experience as Chief Technology Officer, he was appointed Professor of Composite Materials at University of

Washington, in Seattle, Washington, U.S.A. In 1990, Månson joined École Polytechnique Fédérale de Lausanne (EPFL) as Professor and Director of the Polymer and Composite Laboratory (LTC). His research is focused on novel cost-effective materials, processes, and applications with additional functionality, pushing the performance envelope beyond that of classical composite materials. Emphasis is on scaling and implementation strategies for an industrial context in the automotive, aerospace, and sport domains. He has led several supply-chain consortium projects in the automotive field. Månson also is Founder of the composite company, EELCEE SA, active in the field of high-volume composites and is President of the International Sport Academy (AISTS), an organization linking academic institutions in collaboration with the International Olympic Committee (IOC).



Matthew Marks

Matthew Marks, the Chair of the American Chemistry Council Plastics Division Auto Team and is the Automotive and Mass Transportation Regulatory Marketing Manager for SABIC's Innovative Plastics business.

He manages strategy for meeting and influencing global regulatory requirements in the automotive and mass transportation markets. He also takes an active role in engaging with the regulatory community to support informed, sound public policy decisions. With 20 years of experience, Marks has a wealth of knowledge and insights on the use of plastics in various applications. Before assuming his current role, he held marketing leadership responsibilities for driving the growth of new materials technologies in automotive applications in the Americas region and across the world. He holds a Bachelor's and Master's degree in Mechanical Engineering from The Ohio State University.



Speaker Biographies 2014



Jean-Philippe (J.P.) Masson

JP Masson is a Market Development Specialist with Evonik's Crosslinkers group. He concentrates on thermoset composites applications for Evonik's range of cycloaliphatic diamines and diisocyanates, which are used, for example, in wind turbine blades and filament-wound pressure vessels. He earned an M.S. degree in Chemical Engineering from the European School of Chemistry, Polymers and Materials Science of Strasbourg, France. Masson has been involved in the field of UV-cured inks and coatings, corrosion-control coatings, and composites for 15 years in technical and business-development positions.



Mike Matthews

Michael A. Mathews is an Application and Testing Engineer with PCCR USA, Inc. He has over 16 years' experience in application development and composites testing and holds a B.S. degree in Ceramic / Material Engineering from University of Missouri.



Thomas (T.J.) McDonough

Thomas (T.J.) McDonough is a Composites Research & Design Engineer with Zoltek Composites (now a part of Toray Industries). In this role, he is actively involved in the development and testing of composite manufacturing technologies and new product lines. His recent work includes carbon D-LFT and high-volume manufacturing processes. Prior to joining Zoltek, McDonough worked for Spirit Aerosystems as a Structural Analyst on the Airbus A350 program. While at Spirit, he designed and conducted mechanical tests on composite components and performed structural analyses on non-conforming parts. McDonough holds a Bachelor's degree in Aerospace Engineering from the Missouri University of Science & Technology.



Corey Melvin

Corey Melvin has a Bachelor's degree in Chemical Engineering from the University of Lowell and over 30 years' experience in the field of fiberglass reinforcements. For most of that time, Melvin has held a number of technical and management roles in direct support of the thermoplastics industry. Those global roles spanned a range of responsibilities from product management, to glass reinforcement product development, to manufacturing and process/product quality control, and to ensuring technical support to the thermoplastic compounding market. For the last several years he has lead Owens Corning's Long Fiber Thermoplastics business as the Global Product Manager.

Akio Ohtani

Not available at press time.



Vasant Pednekar

Vasant Pednekar has been associated with Lanxess since 2005. In his current role as Application Development – Automotive, he is responsible for developing new applications using thermoplastic resins and composites with automotive OEMs and tier customers in the areas of automotive structures. In his previous role as CAE Engineer, he was relocated to Germany for 2-½ years, where his responsibility included design activities and support such as optimization using Optistruct and Hyperstudy, static/dynamic/crash analysis, and moldfilling analysis. He was also responsible for revamping and maintaining all Lanxess materials on the Campus database. He has worked for 6 years in the field of mold/tool die and manufacture in India. He completed his Master's degree in Industrial/Manufacturing Engineering at Wichita State University in the U.S. and his Bachelor's degree in Industrial Engineering from University of Pune.



Mark Paddock

Mark Paddock has worked in the injection-molding side of the plastics industry for close to 30 years, and has been with ARBURG for over 10 years where is currently is responsible for sales in Michigan and Ontario from his base in Ann Arbor, Michigan. Following a formal education and apprenticeship in Mechanical and Production Engineering with GKN Sankey in the U.K., Paddock gained experience of the plastics industry with several European molding companies and in various technical roles. Prior to joining ARBURG, he headed Cinpres Gas Injection, Inc., the U.S. subsidiary of the British company Cinpres Gas Injection. And before that, Paddock was employed by the British Polymer Training Association as a Technical Training instructor, delivering training on all practical and theoretical aspects of injection molding.



Tom Pilette

Tom Pilette is currently Vice-President of Product & Process Development at Magna Exteriors where he oversees expansion and development of exterior core products, processes, and materials. Previously he was Group General Manager-Modularity Group at Magna Exteriors (formerly Decoma International). During his 20-year career at Magna, Pilette has also been Director of Sales, Divisional Assistant General Manager, and Lead Program Manager-Exteriors Group. And during his 29-year automotive career, Pilette has gained extensive product development and manufacturing experience in body structures and energy-management systems.

Speaker Biographies 2014



Srinagesh Potluri

Dr. Srinagesh Potluri serves as the Chief Technology Officer of Zyvex Technology. In this position he heads the company's research and product development activities with a group of scientists, engineers, and formulators. Potluri joined Zyvex in 2004, is the co-inventor of carbon nanotube functionalization technology, and specializes in the design of polymers and small molecules. He has 15 years' experience in organic chemistry, polymer science, and fiber-reinforced polymer composites.



Sophie Rabeau

Sophie Rabeau has been R&D Project Manager at ISPA (Institut Supérieur de Plasturgie d'Alençon), France since 2011. After earning an engineering degree from ENSIC (École Nationale Supérieure des Industries Chimiques) and a degree in the Chemical Engineering department at Imperial College, London in 2005, she defended a Ph.D. thesis in the development of new continuous process for multi-constituent microcapsule walls in 2009 also from ENSIC, Nancy, France.



Klaus Ritter

Klaus Ritter has more than 20 years of sales, marketing, strategic marketing, and technology management experience in the area of composites, 15 of that on the operational side where he honed his leadership and team-building skills. He gained global experience with a 3-year assignment in the U.S. that involved global management responsibility in Europe, Asia, and North America. For the last 24 years he has worked for Ciba-Geigy, which today is Huntsman Advanced Materials. He has led research and developments for the Center of Excellence for Composites with the organization since 2013. He holds a Diplom Ingenieur and Diplom Wirtschaftsingenieur degrees in Polymer Technology & Economy.



Alexander Roch

Alexander Roch studied Mechanical Engineering at the Karlsruhe Institute for Technology (KIT). He graduated as an engineer (Dipl.-Ing.) in 2009, completing a diploma thesis on local continuous-fiber reinforcement of injection-molded parts. He has worked at the Fraunhofer Institute for Chemical Technology since June 2009 as a Scientific Staff Member and Project Director in the Polymer Engineering Department headed by Prof. Frank Henning. Roch's main area of research is process development in the field of foam injection molding. He is also a Ph.D. candidate in the faculty of Polymer Technology at the Institute for Applied Materials (IAM-

WK) at KIT, headed by Prof. Peter Elsner. Since May 2014, Roch has been involved in starting up the injection molding technology at the Fraunhofer Project Centre for Composites Research at Western University in London, Ontario.



Philipp Rosenberg

Philipp Rosenberg is working as a research employee at the Fraunhofer Institute for Chemical Technology (ICT) in Germany since January of 2014. He holds a Diploma degree in Mechanical Engineering from KIT, Germany. Currently he is working on his Ph.D. degree with the research topic of "High-Pressure RTM Technology Development," which is supervised by Prof. Frank Henning. Previously, Rosenberg worked as a research employee at the Institute for Vehicle System Technology (FAST), Karlsruhe Institute of Technology (KIT), Germany starting in June of 2012. And before starting his doctoral work, Rosenberg worked on his Diploma thesis at BMW AG in Germany characterizing the textile preforms.



Kevin Roslinski

As a Senior Application Engineer for Henkel's North American Adhesives Steering Unit, Kevin Roslinski is responsible for overall sales growth of adhesives throughout all automotive OEM and tier supplier accounts. He joined Henkel as an Application Engineer in 2000, and over the past 13 years has had responsibility for product and process support, new product launch and integration, business and application development (with a focus on market needs), and Henkel's product solutions. Currently Roslinski is responsible for driving Henkel technical capability for lightweighting through the integration of Loctite brand adhesives and sealants for composite fabrication and component assembly. He holds a B.S. degree in Chemical Engineering from the University of Michigan. He is a member of SAE and active in the community through various youth organized athletic programs.



Sebastian Schmidhuber

Sebastian Schmidhuber is currently Lead R&D Engineer for KraussMaffei Technologies GmbH in Munich, Germany, a job he has held since 2009. Previously from 2007 to 2009, he was a Lab Manager and Process Engineer at KraussMaffei Corp. in Novi, Michigan, U.S.A. Before that, from 2002-2007, Schmidhuber worked as an R&D Engineer and Process Technician at KraussMaffei in Germany. He is a 2002 graduate from Engineering College.



Speaker Biographies 2014



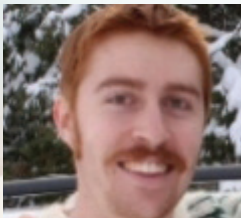
Alexander Schmidt

Alexander Schmidt studied Chemistry at the Philipps University in Marburg with a focus on Polymer Chemistry. After graduation, he moved on to the Karlsruhe Institute of Technology (KIT) for his Ph.D. degree. His doctoral thesis work focused on different topics concerning epoxy chemistry, including faster curing and higher thermal latency. In 2010, he joined KVS, a manufacturer of external and internal mold-release agents, where he worked in R&D as well as technical service and support. Since 2011, Schmidt has worked for Momentive Specialty Chemicals in Duisburg, Germany as a Project Leader.



Harry Singh

Harry Singh is Program Manager-Vehicle Light Weighting Technologies at EDAG, one of the auto industry's largest design and engineering service providers globally. Previously, Singh has held a variety of positions including Vice-President of Schuler Hydroforming, Inc. (2006-2007); General Manager of Hydrodynamic Technologies, Inc. (1998-2006); CAE Manager at Hawtal Whiting, Inc. (1985-1998); and CAE Structural Analyst, Rover Group's, Advanced Vehicles Department at the Gaydon Technology Proving Grounds in the U.K. (1978-1985). Singh is author of the SME book, *Fundamentals of Hydroforming* (2003) and was Program Manager-Future Steel Vehicles, for WorldAutoSteel. He also was Principal Investigator for the U.S. National Highway Traffic Safety Administration (NHTSA) Study on *Mass Reduction for Light-Duty Vehicles for Model Years 2017-2025*. Singh holds a B.S. degree in Mechanical Engineering, University of Aston (U.K.).



Nicholas Smith

Nicholas Smith is currently an Andrew's Fellow at Purdue University, where he earned his Master's Degree in Aerospace & Aeronautical Engineering in August 2014. He also is a Ph.D. candidate in Aerospace & Aeronautical Engineering at the school. Previously he was a Heritage Scholar at Brigham Young University where he earned a Bachelor's degree in Mechanical Engineering in 2011. Smith also was an SPE ACCE Graduate Scholarship Award winner for the 2013-2014 academic year. Upon graduation, he hopes to continue researching higher performance, lower cost composites for use in both the automotive and aerospace industries.



Kestutis (Stu) Sonta

Kestutis Sonta is a Senior Materials Engineer for the General Motors materials engineering battery electrification group, based in Warren, Michigan. He joined General Motors' *Saturn* subsidiary as a Senior Plastics Engineer in 1987 and has held various positions in manufacturing, applications development, and management. Prior to joining

General Motors he held the position of Application Development Account Manager at General Electric's Technical Application Center and Laboratories located at Louisville Kentucky. He holds several graduate degrees in engineering from University of Louisville and an Executive MBA from Michigan State University.



Dustin Souza

Dustin Souza is currently an Application Engineer at e-Xstream engineering/ MSC Software where he supports North American customers of the firm's Digimat software and other FEA products as well as provides modeling and simulation work to predict the behaviors of composite materials. Before joining e-Xstream in 2013, Souza worked as an Associate Inside Sales Representative for MSC Software. Between 2012 and 2013, Souza was a Research Assistant in the Mechanical Engineering Department at Purdue University where he wrote a program that simulates short-fiber composite systems and worked under Professors Byron Pipes and Thomas Siegmund. The year previous he worked in Purdue's Aeronautics and Astronautics Engineering Department under Dr. Pipes helping develop a composites nanohub site encompassing all composites simulation programs. Souza also wrote manuals and papers on software for different aspects of composites manufacturing, testing, and analysis. And from 2011-2012, he worked as a Lab Inventory Assistant in Purdue's Pharmacy Department. He holds B.S. and M.S. degrees in Aeronautical Engineering from Purdue University.



Sarah Stair

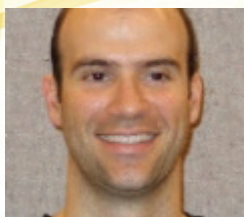
Sarah Stair graduated *magna cum laude* with a Bachelor's degree in Mechanical Engineering from Baylor University in 2012, and is scheduled to receive her Master's degree in Mechanical Engineering in 2014. She also is currently working on her Ph.D. degree in Mechanical Engineering at Baylor. Last year she was a 2013-2014 SPE ACCE Graduate Scholarship Award winner, and this spring she was awarded a National Science Foundation Graduate Research Fellowship for her work on non-destructive testing of carbon fiber-reinforced laminated composites. She spent this summer as a Graduate Research Intern at Sandia National Laboratories in Albuquerque, New Mexico.



Martin Starkey

Since 2008, Martin Starkey has been Director of Gurit Automotive Ltd. where his focus is on technical and commercial developments. He joined SP Systems in 1999 and coordinated the development of a range of new automotive composite materials for cost-effective, lightweight Class A body panels. These materials were launched in 2002 as SPRINT CBS brand. In 2006, SP Systems became Gurit and Starkey became Global Development Manager for Composite Systems in wind energy, marine, and transportation. He holds a degree in Materials Science from Swansea University.

Speaker Biographies 2014



Michael Sumner

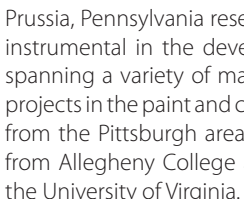
Dr. Michael J. Sumner is a Group Leader for SMC, Gelcoat, and Marine Resin in the Composite Polymers-Global Technology Organization of Ashland Performance Materials, a Division of Ashland, Inc. Sumner received his Ph.D. degree from Virginia Tech in Organic Polymer Synthesis

in 2003 and he has worked for Ashland, Inc. since graduating. His work experience includes management of scientists and technicians and he has considerable experience in designing gelcoat and SMC. His is responsible for the development of Ashland's newest marine gelcoat technology. Sumner also was a significant contributor to the development of Ashland's mid-density Class A SMC technology.



Dana Swan

Dana Swan is an Application Development Scientist at Arkema Inc. where she provides research and technical support for the Elium® liquid thermoplastic composite resin. Swan has 14 years of experience in research and development at Arkema's King of Prussia, Pennsylvania research center. During that time, she has been instrumental in the development of new technologies on projects spanning a variety of markets and Arkema business units, including projects in the paint and coatings, solvent, and catalyst fields. Originally from the Pittsburgh area, she received her B.S. degree in Chemistry from Allegheny College and her Master's degree in Chemistry from the University of Virginia.



Gayle Tomkinson

Gayle Tomkinson has worked in the plastics industry for 30 years. She earned a B.S. degree in Chemical Engineering at Lafayette College and an M.S. degree in Materials Engineering at Rensselaer Polytechnic Institute. She started her career at GE Plastics working in a variety

of technical and marketing roles for 11 years. She then moved to AES (the Santoprene business of ExxonMobil) and spent a decade in global marketing management roles. She was Director of Fire Safety Products at Bullard before joining Kraton Polymers 8 years ago, where she has held a number of strategic roles. Her current title is Strategic Marketing Director.

Minh Tan Ton-That

Not available at press time.



Ivor Huan-Chang Tseng

Dr. Ivor Huan-Chang Tseng is currently Program Manager at the R&D Division of CoreTech System (Moldex3D) where he is responsible for the theoretical development with a focus on the prediction of fiber orientation during processing of fiber composites. His

areas of research are focused on composite and polymer processing, polymer rheology and viscoelasticity, and molecular simulations. Recently, he has expanded his research into new areas including powder concentration and particle migration for metal injection molding (MIM). Tseng holds a doctorate degree in Applied Chemistry from the National Chiao-Tung University (NCTU) in Hsinchu, Taiwan Under the direction of Prof. Rong-Yeu Chang and Prof. Jiann-Shing Wu, Dr. Tseng's major research interests include molecular simulations, involving Molecular Dynamics (MD), Monte Carlo (MD), and Dissipative Particle Dynamics (DPD) methods, with applications to predictions of nano-thermodynamic and nano-rheological properties of polymer materials. More of his non-equilibrium molecular dynamics simulation (NEMD) studies for sheared n-hexadecane fluid have been published in the *Journal of Chemical Physics*.



Vanja Ugresic

Vanja Ugresic received her Master's of Engineering Science (Chemical Engineering) in 2011 and her Bachelor's of Engineering (Chemical Engineering) in 2008 from Western University, London, Canada. She worked at Technische Universitat Munchen, Germany as a Project

Leader from 2008-2011. She has also worked as a Research Assistant at Western Engineering in 2007. Currently Ugresic works at Fraunhofer Project Center @ Western (FPC) as a Research Engineer where she plans, evaluates, and executes the manufacturing trials in full industrial scale in the field of compression-moulded fiber-reinforced plastics.



Putinun Uawongsuwan

Mr. Putinun Uawongsuwan is a third year Ph.D. student from Department of Advanced Fibro-Science at the Kyoto Institute of Technology in Japan. His current research is focused on the structure and properties of short-fiber-reinforced polymer composites, mainly for the injection molding process.



Speaker Biographies 2014



Uday Vaidya

Dr. Uday Vaidya is a Professor and Director of the Materials Processing and Applications Development (MPAD) Center for Composites at the University of Alabama at Birmingham (UAB). The UAB MPAD Center works closely with industry for application-development support and composites R&D

leading to commercialization. Vaidya has more than 25 years of experience in the design, analysis, application development, and processing of composite materials. He also has published a comprehensive book on Composites for Automotive, Mass Transit and Transportation.

Frédéric Vautard

Frédéric Vautard holds a Ph.D. degree from the University of Upper Alsace in France, where his topic was interfacial adhesion in carbon fiber composites cured by electron beam. He then did post-doctoral work at Oak Ridge National Laboratory in the U.S. on improvement of interfacial adhesion in carbon fiber/viny-ester composites. He also was involved in the development of high-strength carbon fibers and on carbon fiber made from lignin precursors. He currently is doing further post-doctoral work at the Composite Materials and Structures Center at Michigan State University on interfacial adhesion in carbon fiber/vinyl-ester composites and development of exfoliated graphene nanoplatelets/high-density polyethylene (HDPE) nanocomposites for fuel tanks.



Cuntao (Philia) Wang

Cuntao (Philia) Wang is a doctoral candidate in the Department of Advanced Fibro-Science at the Kyoto Institute of Technology in Japan. There he studies the mechanical and interfacial properties of fiber-reinforced thermoplastic composites molded by injection molding technology.



Ting Yang

Ting Yang is a student at the Kyoto Institute of Technology in Japan. Her work focuses on the surface treatment between a composite's fiber and resin. She has focused on the influence of a new kind of surface treatment that improves a basalt fiber-reinforced composite's mechanical properties.



W.H. Katie Zhong

Wei Hong Katie Zhong, Ph.D. is a Westinghouse Distinguished Professor, School of Mechanical and Materials Engineering at Washington State University (WSU). She received her doctorate in the Department of Materials Science and Engineering at Beijing University

of Aeronautics and Astronautics (BUAA) in 1994. In 1999, Zhong became the youngest full professor at BUAA, and one of the youngest full professors in China. From 2002 to 2003, she worked as a visiting scientist at Vanderbilt University. She started her Associate Professorship at North Dakota State University in 2003. In 2007, she joined WSU where she is currently an endowed chair professor. Zhong has served as a consultant, collaborative researcher, and educator for The Boeing Company in the area of nanotechnology since 2006. She has received numerous awards and honors including the SPE/Dow Chemical Composites Educator of the Year in 2011, and was awarded the Excellent Academic Advisor at WSU in 2013. The latter prize is based on the success of her outstanding graduated Ph.D. students who have received numerous global honors, including the prestigious Boeing FlightGlobal Award / Boeing Engineering Student of the Year in 2010 (2nd place) and 2012 (1st place), and the Worldwide Top 50 Ph.D. / post-docs by MRS (2 Ph.D student recipients) in 2011. Zhong has published over 260 publications, including 158 peer-reviewed journal papers, 6 book and book chapters, more than 80 conference papers, and numerous patents.