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## **SPE<sup>®</sup> SHANGHAI TPO CONFERENCE ANNOUNCES KEYNOTE SPEAKERS FOR MARCH PROGRAM**

**TROY, (DETROIT) MICH.** – The organizing committee for the new **SPE<sup>®</sup> Shanghai TPO Conference, March 22-24, 2016** at the Shanghai Marriott City Centre hotel in Shanghai, China, has announced the event's two keynote speakers. Dr. Rose Ryntz, vice-president, Advanced Development & Material Engineering, **International Automotive Components (IAC) Group** (Southfield, Mich., U.S.A.) and Dr. Stéphane Quilliet, engineering manager-injection molding team, **RocTool** (Le Bourget du Lac, France), will each give a 30-minute presentation highlighting important issues and new technologies that are expected to be of great interest to show attendees.

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*Organizers Announce Keynote Speakers for 1st Annual Shanghai TPO Conference*  
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Ryntz will give a talk entitled ***The Changing Landscape for Plastics Use in Interior Automotive Applications*** on **Tuesday, March 22, 2016 at 8:45 a.m.** As background on her topic, she explains that plastics use in automotive applications is expected to represent approximately 18% of total vehicle weight by 2020 and contribute roughly \$110-billion USD to global plastics sales. During that same time period, global sales of automotive interior components (in all materials) is expected to reach \$325-billion USD, offering suppliers "great incentives to participate." However, the functional requirements and usage of plastic materials are changing rapidly due to factors like economics and governmental mandates. With increased demand for lighter, more competitively priced vehicles, and current challenges by vehicle-interior suppliers in meeting growing production demands, it is more important than ever to select plastics and design parts efficiently and correctly if a company wishes to become the supplier of choice for a given automaker.

"My presentation will focus on the changing geographic and demographic landscape for vehicle interiors and the effect of those changes on plastic material selection," explains Ryntz. "As the interaction between car and driver becomes, paradoxically, more complex, the key to supplier success will be focused product segments and technology differentiation. Lifestyle demands, such as the desire for personalization, use of illuminated surfaces, and the focus on occupant comfort and convenience, as well as acoustic performance, environmental stewardship, and safety all will be discussed in relation to polymer selection. Additionally, the advent of the autonomous car and increased human-machine interactions also will be discussed relative to how they affect both the industry and its requirements."

Quilliet will give a talk entitled ***On the Road to a New Standard: High-Definition Plastics*** on **Wednesday, March 23, 2016 at 8:45 a.m.** RocTool's technologies for rapid mold heating and cooling provide plastic processors with practical solutions that increase productivity — via faster molding cycles, lower energy usage, better thickness control, and enhanced part complexity — as well as improve post-mold part quality — via optimized surface quality (whether matte or glossy) and invisible weldlines. These features are wanted and needed by molders in all major market segments, but especially in the high-volume, cost-sensitive, aesthetically demanding automotive industry.

"The plastic industry is constantly working to offer better process solutions in order to respond to design challenges from automakers. My presentation will focus on the ongoing evolution of several such process enhancements. I also will share our vision of the next key steps to reach a new quality and performance standard" explains Quilliet. "I will share with the attendees our vision and explain what we believe are the conditions needed to reach a new standard in the industry. In addition, I will discuss the importance of the fact that we now can accurately simulate the inductive heating and cooling technique via AutoDesk, Inc.'s MoldFlow® software, which helps improve the accuracy of moldfilling and warpage analyses as well as shows the benefits of our induction technology during the initial design phase, long before tooling is cut. We think of these as 'high-definition plastics' solutions for OEMs and their manufacturers."

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Show organizers are still accepting non-commercial papers or presentations for the conference's technical session. Email abstracts and papers or presentations to [Sassan@ShanghaiTPO.com](mailto:Sassan@ShanghaiTPO.com) no later than February 17. There also are a few sponsorship opportunities and exhibit spaces left. Those interested should contact [Karen@ShanghaiTPO.com](mailto:Karen@ShanghaiTPO.com) as soon as possible.

## **About the Auto TPO & Shanghai TPO Conferences**

Since 1998, the ***SPE TPO Automotive Engineered Polyolefins Conference*** has highlighted the importance of rigid and flexible polyolefins throughout the automobile – in applications ranging from semi-structural composite underbody shields and front-end modules to soft-touch interior skins and bumper fascia. Engineered polyolefins have been the fastest-growing segment of the global plastics industry for more than a decade owing to their excellent cost / performance ratio. The Detroit-area show typically draws over 700 attendees from 20 countries on four continents who are interested in learning about the latest in rigid and elastomeric TPO as well as TPE and TPV technologies. Approximately 300 attendees are expected at the new ***SPE Shanghai TPO Conference*** in Shanghai, China. A variety of sponsorship packages are available for companies interested in showcasing their products and / or services at either event. The Shanghai show is being jointly organized by volunteers from the ***Detroit Section*** and ***China Section*** of the ***Society of Plastics Engineers*** (SPE). For more information about the ***SPE Shanghai TPO Conference***, see <http://auto-tpo.com/> or <http://speautomotive.com/tpo.htm>.

The mission of SPE International is to promote scientific and engineering knowledge relating to plastics worldwide and to educate industry, academia, and the public about these advances. SPE's Detroit Section is active in educating, promoting, recognizing, and communicating technical accomplishments for all phases of plastics and plastic based-composite developments – particularly in the automotive industry. Topic areas include applications, materials, processing, equipment, tooling, design, and development. For more information on the Society of Plastics Engineers, see [www.4spe.org](http://www.4spe.org).

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**TROY (DETROIT), MICH.** – Dr. Rose Ryntz, vice-president, Advanced Development & Material Engineering, **International Automotive Components (IAC) Group** (Southfield (Detroit), Mich., U.S.A.) will deliver a keynote address on ***The Changing Landscape for Plastics Use in Interior Automotive Applications*** at the new ***SPE® Shanghai TPO Conference***, on **Tuesday, March 22, 2016 at 8:45 a.m.** in Shanghai, China. Ryntz holds a Ph.D. degree in Polymer / Organic Chemistry from the University of Detroit and an M.B.A. degree from Michigan State University. During her career she has worked at Dow Chemical, DuPont Automotive, Ford Motor Co., Akzo Nobel N.V., and Visteon Corp. before assuming her current role at IAC. She is a sought-after speaker at domestic and international events, is a prolific writer with over 180 publications, 30 patents, and four books, and is a recipient of many prestigious awards. Last year she was named as one of the 100 Leading Women in Automotive, and in 2014 was awarded the SPE Detroit Section's prestigious Outstanding Member award. Additionally, she has been the recipient of the International Biographical Center *Who's Who in the World*, has received Best Paper and Best Speaker awards from both the Federation of Societies for Coatings Technology (FSCT) and SPE, the FSCT Women in Coatings' Management Achievement Award, the George B. Heckel Award and Matiello Award, the American Chemical Society's (ACS's) Roy Tess Award, the Women Automotive Association's International Professional Achievement Award, the Engineering Society of Detroit's (ESD's) Outstanding Leadership Award and Gold Award, the University of Southern Mississippi's Elias Singer Best Paper Award, a Roon Award from FSCT, and the Henry Ford Technology award presented by the Ford Motor Co. for outstanding technical contributions to the company. Ryntz has been very active as a society volunteer. She served as president of FSCT from 2005-2007, and was elected as a Fellow in SPE in 2006. She also has served on the board of directors of the Detroit Section of SPE, and is currently a member of the Engineering Dean's Advisory Board at the University of Detroit.

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**ATTN. EDITORS: High-resolution digital photography is available upon request.**

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**TROY (DETROIT), MICH.** – Dr. Stéphane Quilliet, engineering manager-injection molding team, **RocTool** (Le Bourget du Lac, France) will give a keynote entitled, ***On the Road to a New Standard: High-Definition Plastics*** at new **SPE® Shanghai TPO Conference**, on **Wednesday, March 23, 2016 at 8:45 a.m.** in Shanghai, China. Quilliet has worked at RocTool for almost seven years, the last six of which he spent designing 3itech® technology and conducting moldflow analyses for customers. Before joining RocTool, he spent a decade working for several service companies, including five years at MAPEA, which he founded and where he worked as a development engineer. These companies were involved with a variety of plastics processes, including injection molding, extrusion, and compounding, and gave him experience in simulation, materials science, and training — all of which provided broad knowledge in the field of plastics processing. Quilliet holds a Ph.D. degree in Dynamique des transferts (Transfer Dynamics) from Université de Nantes, where his thesis topic was on modeling the heat-transfer conductance between part and tool during injection molding. He also earned a Diplôme d'ingénieur, Thermique - Energétique (Engineering Diploma - Thermal Energy) degree from Polytech 'Nantes.

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