

May 2011

2011 ELGI Best Paper Award

The ELGI Best Paper Award committee is pleased to announce that this year's award for the best paper will be presented to Mr David A. DeVore & co-author Dr. Shanshan Wang (Functional Products Inc., USA) for his outstanding paper on "A Study of polymer additives in mineral oil and vegetable oil-based greases".



David DeVore is President and an owner of Functional Products since 2004. Previously, he has spent the last two decades as an entrepreneurial founder or owner operator of businesses serving materials, metals, and chemistry markets. He began his career at Battelle Memorial Institute in its venture capital subsidiary and later joined Primus Venture Partners at inception which has become \$1.2 billion private equity firm. Mr. DeVore did graduate work in mathematics and has a BA from Yale University in history and economics.



Dr. Shanshan Wang received her Ph. D. in Polymer Engineering from the University of Akron in U.S. and her MS in Polymer Science from Huazhong University of Science and Technology in China. She currently works as research scientist in Functional Products Inc. Before joining Functional Products Inc. she worked for GE Plastics. Dr. Wang has authored over ten papers or presentations in polymer related research area. She has strong research backgrounds in thermoplastic, rubber, adhesives, etc.

This paper described improvements of performances, such as water resistance and shear stability, when polymers with different structures were added to model lithium greases based on mineral as well as vegetable oils, including models for mechanisms, methods used and a covering summary of results for a wide variety of polymers.

All the presentations were carefully considered and judged on selected criteria that resulted in an overall mark worthy of this potential achievement. These criteria included paper content and presentation skills that covered Originality, Technical content , Value to lubricant industry, Impact as a problem solver in the field, Impact on Environmental Issues, Financial impact in industry, Presentation skills and enthusiasm, Subject knowledge, Quality of presentation and Handling of Questions and Answers.

On behalf of this committee and the ELGI board I would like to congratulate David for this important and worthy achievement.

BPA Committee
Lennart Hamnelid (chair)
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Sweden