



AEMA ANNOUNCES 2009 HALL OF FAME AWARD WINNER

The AEMA Hall of Fame recognizes an individual, active or retired, who is or was employed by a member firm, who has made a substantial contribution over the long term to the development of the Association or the advancement of the emulsion industry. During its 36th Annual Meeting in February 2009, AEMA awarded this honor to Dr. Koichi Takamura.

Dr. Takamura obtained his bachelor's and master's degrees in Pharmacy from Tokyo University of Science in Japan and his Ph. D. in Physical Chemistry from McGill University in Montreal, Canada. He joined BASF Corporation Dispersion R&D in the United States in 1987 after working for eight years with the Alberta Research Council in Edmonton, Canada in the field of enhanced oil recovery. At BASF, he is working on the Colloid Science aspect of synthetic latex applications, especially in cold paving using the SBR latex modified asphalt emulsion. In addition, he was an Adjunct Professor at the Center for Interfacial Engineering, University of Minnesota from 1989-1992 and currently holds the same position in the Department of Chemical and Petroleum Engineering at the University of Wyoming. His publication list includes more than 50 articles in refereed Journals and numerous technical articles in proceedings for Industrial Association meetings. He chaired the Gordon Research Conference on Polymer Colloids in 2005.

Dr. Takamura has made substantial development of understanding in how emulsions work. The industry often knew the "what?", but not the "why?" He continued with the "Why?" Dr. Takamura made the discovery, with the evidence to support the discovery, that the residue in the field was not the same as the residues being recovered in the lab. He developed test methods that we continue to build upon today.

He continued using the resources available to him to further our understanding of asphalt emulsions as a colloidal system. His background in colloidal chemistry was a significant change in how we viewed our products and how they worked.

Dr. Takamura has published articles and publications along with presenting at various associations. He has taken his discoveries to the Rubber Industry also. A highlight of some of his publications includes:

- "Statistical Analysis of the Vacuum Distillation and SuperPave Analysis Of Emulsion Residues Study: Need for a New Residue Recovery Procedure"
- "Polymer Network Formation in the Emulsion Residue Recovered by Forced Air Drying"
- "An Emulsion Residue Recovery Procedure based on the Forced Airflow Drying: Polymer Formation upon Drying of the Latex Modified Emulsion"
- "SBR Synthetic Latex in Paving Applications" Bitumen Asia 2000
- "SBR Latex For Asphalt Modification: Advantages of fine Polymer Network Formation" ISSA 2001
- "Micro Surfacing for Pavement Maintenance: Eco-Efficient Strategy" ISSA 2001
- "Improved Fatigue Resistance of Asphalt Emulsion Residue Modified with SBR Latex" AEMA 2003
- "Your Foam Pillow and SBR Latex Modified Asphalt Emulsion"
- "SBR Polymer Network in Chip Seal"
- "Micro Surfacing with SBR Latex Modified Asphalt Emulsion"
- "An Elephant, 30 Cats and 1 million Fleas - How to view a chip seal emulsion!"

The Asphalt Emulsion Manufacturers Association is a non-profit trade association of contractors, equipment manufacturers, suppliers, public officials, and engineers engaged in the recycling and reclaiming of asphalt, using the economies of recycling to rebuild a stronger and safer network of highways, streets and roads across the country and around the world.