

**PRELIMINARY PROGRAM
EIGHTH INTERNATIONAL SYMPOSIUM ON**

SILANES AND OTHER COUPLING AGENTS

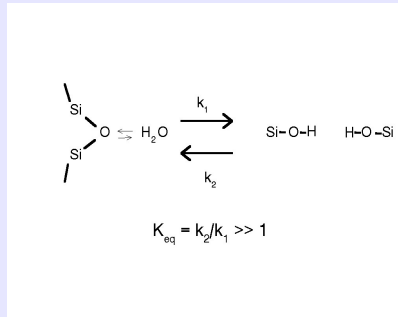
To be held June 22-24, 2011 Danbury, Connecticut, USA



SYMPOSIUM HISTORY AND MOTIVIATION

This symposium continues the tradition set by the first symposium in this series: "Silanes and Other Coupling Agents" which was hosted in 1991 by the Dow Corning Corporation in honor of Dr. Edwin P. Plueddemann. As with its predecessors, this symposium will be concerned with the technological areas where the use of surface primers such as silanes is critical to the success of many technologies.

Historically the silanes have been used as coupling agents for thin films in the microelectronics industry and in glass fiber composites where the use of silanes has been an enabling factor in the success of many manufactured products. Quite surprisingly, silanes have also found a role in biotechnology as specific coupling agents for bonding polynucleotides to the so-called "gene chips" and also in cosmetic applications.



AUDIENCE AND PARTICIPATION

This symposium is organized to bring together scientists, technologists and engineers interested in all aspects of polymer surface modification, to review and assess the current state of knowledge, to provide a forum for exchange and cross-fertilization of ideas, and to define problem areas which need intensified efforts.

SUBMITTING A PAPER

This symposium is being organized by MST Conferences under the direction of Dr. K. L. Mittal, Editor-in-Chief, Journal of Adhesion Science and Technology (JAST). Presenting authors are invited to submit their papers for publication in the Journal of Adhesion Science and Technology. Please notify the conference chairman of your intentions to present a paper as early as possible. An abstract of about 200 words should be sent by **March 15, 2011** to the conference chairman by any of the following methods:

E-mail: rhl@mstconf.com
 FAX: 212-656-1016
 Regular mail:

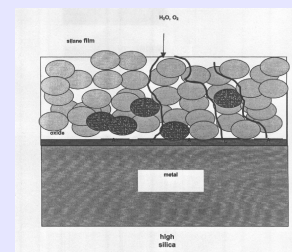
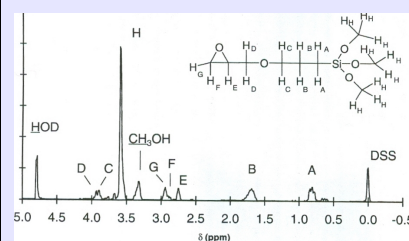
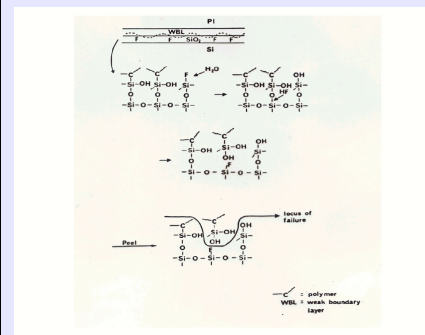
Dr. Robert H. Lacombe
 Conference Chairman
 3 Hammer Drive
 Hopewell Junction, NY 12533

Contact by phone: 845-897-1654; 845-227-7026
 Full conference details and registration via the Internet will be maintained on our web site:

<http://mstconf.com/silanes8.htm>

ONLINE RESPONSE FORM: www.mstconf.com/resp-sprg-2011.htm

ONLINE REGISTRATION: www.mstconf.com/RegMST.htm



A. Ansarifar; Materials Department, Loughborough University, Leicestershire LE11 3TU, UK; **How a Sulfur-bearing Bifunctional Organosilane Changed the Shape of Rubber Formulation**

A Babik and V. Cech; Institute of Materials Chemistry, Brno University of Technology, Purkynova 118, CZ-61200 Brno, CZECH REPUBLIC; **Self-assembled Monolayers of Vinyltriethoxysilane and Vinyltrichlorosilane**

L. Hoferek, E. Palesch and **V. Cech**; Institute of Materials Chemistry, Brno University of Technology, Purkynova 118, CZ-61200 Brno, CZECH REPUBLIC; **Plasma-polymerized Films Based on Tetravinylsilane Monomer**

Bret Chisholm, Partha Majumdar, Shane Stafslin, and David Christianson; Center for Nanoscale Science and Engineering, North Dakota State University, Fargo, ND, USA; **An Investigation of Antimicrobial Coatings Derived from Quaternary Ammonium-Functional Alkoxysilanes Using Combinatorial/High-Throughput Methods**

W. Dierkes, M. Tiwari, R. Datta, A. Talma, J. Noordermeer and W. van Ooij; University Twente, Faculty of Engineering Technology, Department of Elastomer Technology & Engineering, Enschede, THE NETHERLANDS; **Improving Compatibility and Interaction of Polymers and Additives in Rubber by Surface Modification in a Plasma Polymerization Process**

Tsutomu Furuta and Akira Nakajima; Department of Metallurgy & Ceramics Science, Graduate School of Science & Technology, Tokyo Institute of Technology, 2-12-1, Ookayama, Meguro-ku, Tokyo 152-8552, JAPAN; **Evaporation and Sliding of Water Droplets on Fluoroalkylsilane Coatings with Nanoscale Heterogeneity**

M. Masudul. Hassan, Marco Mueller, Diana J. Tartakowska and Manfred H. Wagner; Department of Chemistry, M C College, National University, Sylhet-3100, BANGLADESH; **Grafting of Gycidyl Methacrylate on to Isotactic Polypropylene Used as a Compatibiliser For Composite Preparation**

N. Deb, M. A. Hossain, M. Masudul Hassan and M. A. Khan; Department of Chemistry, M C College, National University, Sylhet-3100, BANGLADESH; **Role of Radiation on the Chitosan Film Extracted from Prawn Shell: Effect of Silane**

Guo Liang Li, K. G. Neoh and **E. T. Kang**; Department of Chemical & Biomolecular Engineering, National University of Singapore, Kent Ridge, Singapore 119260; **Silane-Promoted Synthesis of Functional Hollow Polymeric and Hybrid Micro- and Nanostructures**

L. Wang, C. Huang, E. T. Kang and K. G. Neoh; Department of Chemical and Biomolecular Engineering, National University of Singapore, Kent Ridge, Singapore 119260; **Designing Functionalized Magnetic Nanoparticles via Silane Anchors for Biomedical Applications**

E. H. N. Pow K.K.C. Yeung and J.P. Matinlinna; Oral Rehabilitation, Faculty of Dentistry, The University of Hong Kong, HONG KONG; **HEMA and Silane Blend Effects on Resin Titanium Bonding**

A. N. Rider and N. Brack; DSTO, Melbourne, AUSTRALIA; **The Influence of Surface Roughening and Plasma Treatment on the Environmental Resistance of Epoxy to Titanium Adhesive Bonds**

Gon Seo; School of Chemical Engineering, Chonnam National University, Gwangju 500-757, Korea (South); **Improved Tensile and Dynamic Properties of SBR Compounds Reinforced with Networked Silicas Prepared Using Silanes as Connecting Materials**

HOTEL AND TRAVEL INFORMATION FOR THE DANBURY PLAZA HOTEL

THE SYMPOSIUM WILL BE HELD AT THE DANBURY PLAZA HOTEL AT THE FOLLOWING ADDRESS:

**Danbury Plaza
Hotel and Conference Center
18 Old Ridgebury Road
Danbury, CT 06810
Tel: 203-794-0600
Web site: www.danburyplaza.com**

TRANSPORTATION: Limousine and shuttle service is available from Laguardia and Kennedy airports. The hotel recommends the following services for Airport Transportation arrangements. Each of these vendors offer door to door service.

Go Airport Shuttle - Shuttle Van
Georgianna Lemelin
Tel: 203-891-1280
E-mail: sales@ToTheAirport.com

Gateway Limousine Inc.-Town Car
Rich Daddona
Tel: 800-942-8392

Enterprise Care Rental - Car Rental with an International Drivers License
David Capasso
Tel: 203-423-9334 Cellular Phone
E-mail: David.a.capasso@erac.com

All of the above vendors service the international airports both in CT and NY. Please remember that each airport has Taxi Stands with Taxi Service available from each airport to the hotel destination. Taxi service can not be pre-arranged.

IF TRAVELING BY RENTAL CAR PLEASE REFER TO THE FOLLOWING MAP AND DIRECTIONS:

http://www.danburyplaza.com/map_and_directions/

CLICK BELOW FOR DETAILED WRITTEN DIRECTIONS IF TRAVELLING BY CAR:

[DanburyPlazaWrittenDirections.htm/](#)

Local Attractions

Relaxing New York City Area Hotel Lodging , Near Prominent Businesses & Attractions. Escape to a relaxed and comfortable environment at the Danbury Plaza Hotel, formerly the Sheraton Danbury. One of the most accessible New York City area hotels, this first-class lodging offers stylish accommodations, exceptional meeting facilities, and close proximity to key businesses and leisure attractions. Call on clients at the nearby Ridgebury Office Center. Or board the Metro North train and arrive in midtown Manhattan in about an hour. For added value, check out the affordable deals at this convenient New York area hotel lodging.

- * **Grand Prix NY Race Track (20.0 mi.)**
- * **Connecticut Jazz Festival**
- * **Litchfield Hills Connecticut**
- * **Danbury Fair Mall (1.0 mi.)**
- * **Danbury Dining and Entertainment District (5.0 mi.)**
- * **Military Museum of Southern New England (5.0 mi.)**
- * **Kent Falls (35.0 mi.)**
- * **New York City Attractions (50.0 mi.)**
- * **Foxwoods Resort Casino (90.0 mi.)**
- * **Mohegan Sun Resort Casino (90.0 mi.)**
- * **Brewster Sports Arena**
- * **Centennial Golf Course**

REGISTRATION INFORMATION

DATES:

JUNE 20-22, 2011: EIGHTH INTERNATIONAL SYMPOSIUM ON POLYMER SURFACE MODIFICATION: RELEVANCE TO ADHESION
www.mstconf.com/surfmod8.htm

JUNE 22-24, 2010: EIGHTH INTERNATIONAL SYMPOSIUM ON SILANES AND OTHER COUPLING AGENTS
www.mstconf.com/silanes8.htm

LOCATION:

DANBURY PLAZA HOTEL AND CONFERENCE CENTER

18 OLD RIDGEBURY ROAD
DANBURY, CT 06810

Tel: 203-794-0600
FAX: 203-798-7735

E-mail: aweber@danburyplaza.com

Web Site: www.danburyplaza.com

REGISTRATION:

Speaker/student \$395 each; regular attendee \$595 each. A 10% discount applies if more than 1 person is participating from the same organization.

HOTEL: Please make room reservations directly with the Danbury Plaza Hotel. A block of rooms has been set aside for conference registrants until March 15, 2010. After this date the hotel will accept reservations on a space available basis and they cannot guarantee that the special conference rate of \$99/night will apply. Make your reservations early and be sure to mention that you are attending the MST symposium in order to receive the reduced conference hotel rate.

TRANSPORTATION: Limousine and shuttle service is available from Laganardia and Kennedy airports

TO REGISTER FOR SYMPOSIUM:

BY PHONE: 845-897-1654; 845-227-7026
BY FAX: 212-656-1016
E-mail: rhl@mstconf.com

REGISTER ONLINE:

www.mstconf.com/RegMST.htm

BY MAIL: SEND COMPLETED FORM TO:

Dr. Robert Lacombe
Chairman
MST Conferences
3 Hammer Drive
Hopewell Junction, NY 12533-6124, USA

SHORT COURSES ON APPLIED ADHESION MEASUREMENT METHODS (June 25, 2011) AND DURABILITY OF ADHESIVE JOINTS (June 26, 2011)

: Associated with these symposia MST gives short courses on adhesion related topics. Since nearly all of the MST symposia have some relation to adhesion phenomena, the ability to quantify the adhesion of one material layer to another is clearly one of the unifying themes. These courses are designed to mesh with the topical symposia by presenting an overview of the most useful techniques for evaluation of the adhesion of coatings and the durability of adhesive joints. Emphasis is given to methods which can be carried out in a manufacturing environment as well as in the lab and which give results that are directly relevant to the durability and performance of coatings, adhesive joints and other bonded laminate structures. The effects of material elastic properties and residual stress are considered as well as environmental influences which affect coating adhesion and joint durability.

Audience: Scientists, technical and professional staff in R&D, manufacturing, processing, quality control/reliability involved with the durability and reliability of coatings, laminates and other bonded structures.

Level: Beginner to Intermediate

Prerequisites: Elementary background in chemistry, physics or materials science.

Duration: 1 day

Registration fee: \$695: Includes course notes, handouts and a copy of the newly published handbook and reference volume: **ADHESION MEASUREMENT METHODS: THEORY AND PRACTICE** (CRC Press, 2006).

How You Will Benefit From These Courses:

- ▶ **Understand advantages and disadvantages** of a range of adhesion measurement and joint testing techniques.
- ▶ **Gain insight** into mechanics of adhesion testing and the role of intrinsic stress and material properties
- ▶ **Learn optimal methods** for setting adhesion strength requirements for adhesive joints and coating applications.
- ▶ **Learn how to select** the best measurement technique for a given application.
- ▶ **Gain perspective** from detailed discussion of actual case studies of product manufacturing and development problems.

CANCELLATIONS: Registration fees are refundable, subject to a 15% service charge, if cancellation is made by June 1, 2011. **NO** refunds will be given after that date. All cancellations must be in writing. Substitutions from the same organization may be made at any time without penalty. MST Conferences reserves the right to cancel any of the symposia or the short course if it deems this necessary and will, in such event, make a full refund of the registration fee. No liability is assumed by MST Conferences for changes in program content.

REGISTRATION FORM: CHECK ALL THAT YOU WANT TO ATTEND

EIGHTH INTERNATIONAL SYMPOSIUM ON POLYMER SURFACE MODIFICATION, June 20-22, 2011 (speaker/student)	\$395
EIGHTH INTERNATIONAL SYMPOSIUM ON POLYMER SURFACE MODIFICATION, June 20-22, 2011 (regular attendee)	\$595
EIGHTH INTERNATIONAL SYMPOSIUM SILANES AND OTHER COUPLING AGENTS, JUNE 22-24, 2011 (speaker/student)	\$395
EIGHTH INTERNATIONAL SYMPOSIUM SILANES AND OTHER COUPLING AGENTS, JUNE 22-24, 2011 (regular attendee)	\$595
Sub Total	
Deduct additional 10% if more than 1 participant from same institution	
Short Course on <u>Applied Adhesion Measurement Methods</u> (June 25, 2011)	\$695
Short Course on <u>Durability of Adhesive Joints</u> (June 26, 2011)	\$695
TOTAL REGISTRATION FEE	

METHOD OF PAYMENT, CHECK WHICH METHOD YOU PREFER

CREDIT CARD: Check here and fill out box below	
BANK WIRE TRANSFER: Check here and contact the symposium Chairman, Dr. Lacombe for bank wire information either by phone, FAX or E-mail: Tel. 845-897-1654 FAX: 212-656-1016 E-mail: rhlacombe@compuserve.com	
CHECK: Make check payable to MST Conferences, LLC and mail to: Dr. Robert H. Lacombe Conference Chairman 3 Hammer Drive Hopewell Junction, NY 12533-6124, USA	

CREDIT CARD INFORMATION

- VISA
- MASTER CARD
- AMERICAN EXPRESS
- DINERS CLUB

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ADDRESS INFORMATION	
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Card Number: _____ Card Holder Name: _____
(As it appears on card)