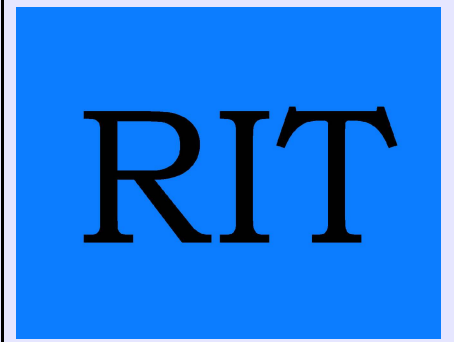


CALL FOR PAPERS  
TENTH INTERNATIONAL SYMPOSIUM ON

**POLYMER SURFACE MODIFICATION  
RELEVANCE TO ADHESION**

To be held June 19-21, 2019 in collaboration with the  
Rochester Institute of Technology, Rochester, New York, USA



**SYMPOSIUM HISTORY AND MOTIVATION**

This the 10th symposium in the series which continues the tradition set by the first in the series entitled: "Polymer Surface Modification: Relevance to Adhesion" which was held in Las Vegas, NV, 1993. As with its predecessors, this symposium will be concerned with the technological areas where surface modification is a key technology which allows for the processing and manufacture of products which would otherwise be unobtainable.

Proper adhesion characteristics are vital to the success of any practical implementation of polymer materials. Though polymers are generally not very adhesionable, careful surface modification can result in greatly improved adhesion without altering bulk properties.

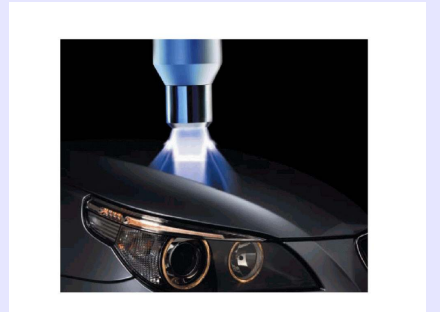
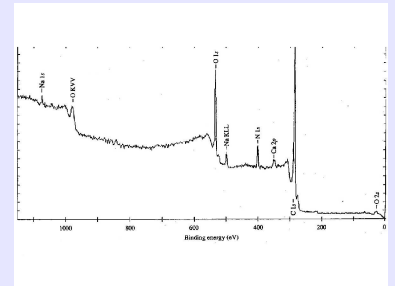


Photo courtesy of Plasmatreat

**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, Reviews of Adhesion and Adhesives. 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 April 30, 2019 to the conference chairman by any of the following methods:

E-mail: [rhl@mstconf.com](mailto:rhl@mstconf.com)

FAX: 212-656-1016

Regular mail:

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

Contact by phone: 845-897-1654; 845-592-1963

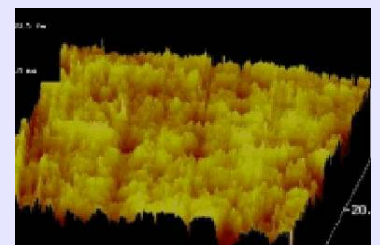
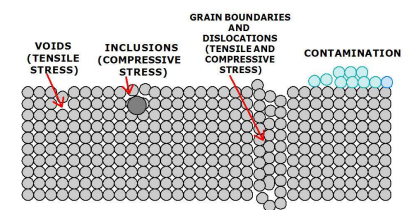
Full conference details and registration via the Internet will be maintained on our web site:

<http://mstconf.com/surfmod10.htm>

Click below to get on the symposium mail list:

ONLINE RESPONSE FORM: [www.mstconf.com/resp-spring-2019.htm](http://www.mstconf.com/resp-spring-2019.htm)

A VARIETY OF DEFECT STRUCTURES AND IMPERFECTIONS  
MAKE DETERMINING THE SURFACE ENERGY/SURFACE TENSION OF  
SOLIDS VERY DIFFICULT



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## AMONG TOPICS TO BE COVERED ARE:

### SURFACE MODIFICATION TECHNIQUES

- ▶ Plasma, ultraviolet, corona, laser, ion beam, atmospheric plasma, flame ...
- ▶ Mechanical roughening
- ▶ Monolayer deposition, grafting and wet chemical

### POLYMER SURFACE MODIFICATION FOR ADHESION IMPROVEMENT OF:

- ▶ Metal layers (metallized plastics)
- ▶ Organic coatings, inks, composites, adhesive joints, microorganisms

### APPLICATIONS AND SURFACE CHARACTERIZATION

- ▶ Packaging, composites
- ▶ Biomedical applications
  - i. implants
  - ii. sterilization
  - iii. improved cell adhesion
- ▶ Microelectronics, aerospace, marine...
- ▶ All methods for characterization of surface chemistry and morphology, (Contact Angle, XPS, SIMS, AFM ...)