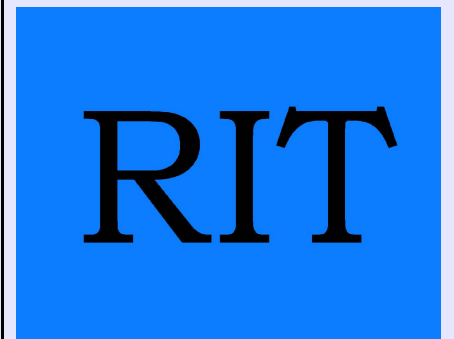


CALL FOR PAPERS
TENTH INTERNATIONAL SYMPOSIUM ON

**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.

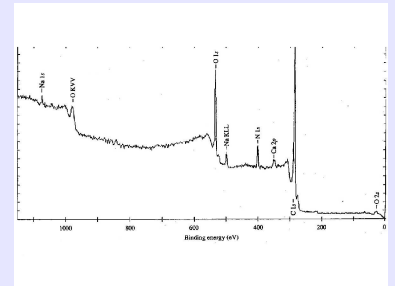
Proper adhesion characteristics are vital to the success of any practical implementation of polymer materials. Though polymers are generally not very adhesionable, careful surface modification can result in greatly improved adhesion without altering bulk properties.



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 March 4, 2019 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, USA

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

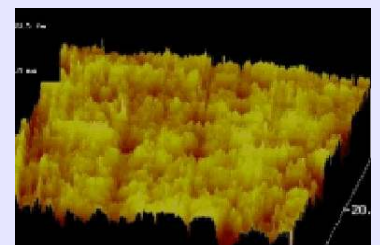
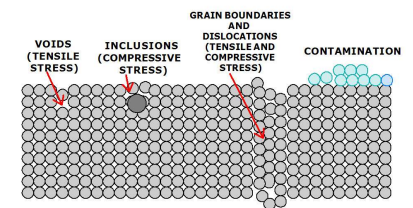
Full conference details and registration via the Internet will be maintained on our web site:

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

Click below to get on the symposium mail list:

ONLINE RESPONSE FORM: www.mstconf.com/resp-spring-2019.htm

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 ...)