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 adhesional, careful surface modification can result in greatly improved adhesion without altering bulk properties.

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: rh@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
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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 ...)