

International Symposium on Plasma Polymerization/Deposition : Fundamental and Applied Aspects

Las Vegas, Nevada November 8-10, 1993

The topic of plasma polymerization/deposition has been of great interest for quite some time and currently there is a brisk R&D activity in this arena. Plasma polymerized coatings find many and varied applications in many technologies, because such coatings offer some unique advantages.

The purpose of this symposium is to provide a forum for discussion of the latest developments in plasma polymerization/deposition. Both fundamental and applied aspects will be covered. Plasma polymerization/deposition of all kinds of materials(organic, inorganic) will be within the purview of this symposium.

Some of the topics to be considered include :

- Plasma sources and reactor systems
- Factors affecting plasma polymerization/deposition, and plasma enhanced deposition

- Properties of plasma deposited coatings
- Characterization of plasma deposited coatings
- Monitoring plasma deposition processes
- Application of plasma deposited coatings

A proceedings volume is planned for this symposium and further details will be provided in due course. Please notify the organizer of your intention to present a paper as early as possible. An abstract of about 200 words should be sent to the address given below by August 1, 1993.

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International Symposium on Polymer Surface Modification : Relevance To Adhesion

Las Vegas, Nevada November 3-5, 1993

Polymeric materials are used for a myriad of application in a variety of technologies-ranging from metallized plastics to biomedical-and their proper adhesion characteristics are of vital importance. Polymers are generally not very adherent, but proper surface modification can result in greatly improved adhesion. The advantage of surface modification is that it can provide desired surface effects without tampering with the bulk properties.

Recently, there has been a great deal of R&D activity in devising new and improved ways to modify polymer surfaces. There are essentially two broad categories of surface modification techniques : one in which new chemical moieties are created by reactions with gaseous ions, radiation, etc., and another category which is comprised of techniques where a separate layer of another material is deposited on a surface.

This symposium is designed to provide a forum for discussion of the latest developments in polymer surface modification, and both fundamental and applied aspects will be covered.

Papers dealing with surface modification of all types of polymers by any technique will be considered. Some of these techniques include : plasma, UV, laser, ion processing, flame, mechanical roughening, monolayer deposition, grafting, and wet chemical. Also, the modification of polymers to improve their adhesion to any material, e. g. metal layers(metallized plastics), organic coatings, inks, matrix(reinforced composites), microorganisms, etc. is all within the purview of this symposium.

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