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Advancements and perspectives on plasma-deposited polymer coatings in the legacy of Riccardo d'Agostino

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Riccardo d'Agostino has left us a few months ago, after 40 years and more of a bright career at the University of Bari mostly devoted in investigating plasma deposition, treatment and etching processes, and in developing their applications in Material Science and Technology.

This talk is intended to highlight in brief the main achievements obtained in the group of Prof. d'Agostino in years, in the contest of the international Plasma Science and Technology community, as well as to describe Low Pressure and Atmospheric Pressure plasma deposition processes recently developed in Bari for several applications, including nano/bio-composite coatings and free-standing "nano-films".

Keywords

PE-CVD

applications of plasma deposited polymers

nano/bio composite coatings

nano films