



Organized by



33rd International Conference on Surface Modification Technologies

NAPLES 26-27-28 June 2019



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KEY DATES

- > Abstract submission deadline:
January 31, 2019
- > Abstract acceptance notification:
February 10, 2019
- > Full Paper submission:
March 31, 2019
- > Full Paper final acceptance notification:
April 30, 2019

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FOREWORDS

SMT33 is intended to cover progress on all aspects of surface modification techniques, from both the macroscopic and microscopic viewpoints. The conference interest includes both industrial materials, e.g., metals, alloys, polymers, ceramics, composites, and advanced materials and processes under development or used in particular applications.

The conference brings together users, producers and researchers, both engineers and scientists who have a common interest in various aspects of materials behavior. The objective is to facilitate and encourage the exchange of knowledge and experience among different communities involved in using, improving, developing, assessing and conducting basic and applied. The most recent developments in surface modification technologies and their industrial applications will be presented and discussed at the conference.

TOPIC LIST

- > Additive manufactured surfaces
- > Biomedical coatings and surfaces
- > Characterization of engineered surfaces
- > Cold and thermal spray
- > Conversion coatings
- > Electric and photovoltaic coatings
- > Magnetic coatings
- > Electro and electro-less plating
- > Functional coatings
- > Fluidized bed based surface treatments
- > Hard chromium alternatives
- > High-temperature corrosion protection
- > Hydro-/ice- and oleo phobic/philic
- > Laser and PTA cladding
- > Laser beam surface modification
- > Modelling and simulation of coating microstructures
- > Multifunctional coatings surfaces
- > Shot peening and mechanical treatments
- > Novel surface modification techniques
- > Optical coatings
- > Residual stresses
- > Sol-gel surface coatings
- > Severe plastic deformation processes
- > Thermochemical surface engineering
- > Thin film by PVD, CVD, and ALD
- > Tribological coatings
- > Wear and corrosion protection
- > Anodizing and electrochemical behaviour

SPECIAL SESSIONS

- > Tribological Characterization of surfaces
- > Fluidized bed based treatments
- > Surface Treatments of Additively Manufactured Components
- > Metallurgy of Surfaces
- > Nanostructured Surfaces
- > Cold Spray