Symposium of Smart Materials and Films (SMF)
in 7th International Conference of Thin Film and Surface Coating Technology (ThinFilm2014)

Dates: July 15th to 18th 2014

Long title: Shape memory, piezoelectric and responsive materials/polymers/films, surface modifications, self-assembly and biomemetics of smart surfaces, nanoscale devices and chips

The objective of this symposium is to bring together researchers working in the new and exciting area of thin film, smart materials and surface issues, including the following main topics:

(1) Shape memory, piezoelectric and responsive materials/polymers, thin films and coatings;
(2) Surface processing of shape memory, piezoelectric and responsive materials/polymers (plasma treatment, ion beam, electron beam, laser treatment, oxidation, coatings, etc);
(3) Surface related issues of shape memory, responsive and piezoelectric materials (corrosion, wear, friction, surface mechanics, cell growth, biocompatibility, biomemetic, etc).
(4) Experimental and mechanics of self-assembly and responsive surface elastic instability, and smart polymers including hydrogel;
(5) Surface wrinkling and bio-inspired surface structures, micro and nanoengineering on smart surfaces;
(6) Smart MEMS actuators, nanoscale devices and circuits, microsensors, and smart memory devices and chips.

Papers presented at the symposium will be selectively published in either Thin Solid Films, Surface Coating and Technology, or Nanoscience and Nanotechnology Letter (SCI Journals). There are also three poster competition prizes to be won.

The abstract deadline is: 15th March 2014. You may go through the main page of the conference website and click Author/Abstract or directly click this link to submit your abstract: http://www3.ntu.edu.sg/mae/thinfilm/AbstractUpload.asp. You will need to select “Symposium of SMF” i.e., “Smart Materials and Films” to submit your Abstract.
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