



The 9th Asian-European International Conference on Plasma Surface Engineering

Call for Papers

The 9th Asian-European International Conference on Plasma Surface Engineering (AEPSE2013) will be held in **August 25 (Sunday) to 30 (Friday), 2013**, in Jeju, Korea which is an exotic UNESCO world heritage island in parallel with the **35th Dry Process Symposium in August 29 (Thursday) to 30 (Friday), 2013**. The AEPSE2013 is organized by Asian Joint Committee for Applied Plasma Science and Engineering (AJC-APSE) in close collaboration with European Joint Committee for Plasma and Ion Surface Engineering (EJC-PISE).

❖ *Important Dates*

- **Abstract Submission** **April 30, 2013**
- **Pre-Registration** **June 30, 2013**
- **Manuscript Submission** **August 31, 2013**

❖ *Abstract Submission*

All authors are requested to upload their submission to the conference website www.aepse2013.org.

Please prepare your Abstract in MS Word format for submission.

The due date for Abstract Submission is **April 30, 2013**.

❖ *Conference Proceedings*

All authors with accepted contributions to AEPSE2013 are invited to submit full papers to the special proceedings of AEPSE2013, which will be published as special issues in nominated international journals such as **Surface and Coatings Technology (SCT)** and other international journals after peer-reviewing.

The deadline of manuscript submission will be **October 4, 2013**. The instruction for full papers will be found at the conference website www.aepse2013.org.

❖ *Contact Us*

- **Secretary General: Prof. Wonho Choe, KAIST, Korea**
- **Conference secretary : capst@skku.edu**
- **Web site : www.aepse2013.org**

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❖ *Scope for AEPSE2013*

1. Fundamental Science and Technology of Plasma Surface Engineering

- 1) Fundamentals for plasma and thin films**
 - Advanced plasma discharge and simulation
 - Design, modeling and simulation of functional film materials
 - Plasma diagnostics and plasma chemistry
- 2) Plasma sources and processes**
 - Magnetron sputtering, HiPIMS, Hybrid plasma
 - PECVD, MOPECVD, Plasma ALD
 - Atmospheric and high pressure plasma
 - Plasma diffusion and thermal plasma
 - Plasma in solution
- 3) Functional films, coatings and surface treatments**
 - Tribological coating : wear resistance, low friction etc.
 - Hard and super hard coatings : nano composite, compounds
 - Corrosion and high temperature protection etc.
 - Digital electronics: TCO, barrier and functional films for display, touch panel and flexible electronics etc.
 - Green energy and environment : PV, thermoelectric, LED electrochromic, battery, catalytic, toxic gas treatment etc.
 - Nano and bio functional materials and films
 - Functional surface treatment : topography, grafting, texturing
- 4) Analysis and evaluation of thin films and surface**
- 5) Industrial technology and application**

2. Special Topical Sessions for Frontier Plasma Technology

This sessions are jointly organized between AJC-APSE and EJC-PISE as dedicated special program with nominated invited specialists on state of art and future perspective.

- Advanced plasma and bio convergence technology
- Roll-to-Roll Plasma Systems and Processes for TCO Materials and Flexible Materials
- New Plasma -Nano Materials and Devices

3. Industry Exhibition and Marketing

- Industry exhibition will be held on Aug.27 to 28, 2013
- Technical programs will be organized for exhibitors and companies for their technology and marketing