

The First Symposium in Siheung Ppuri Technical Supporting Center & AMAES IV Workshop on  
 “Innovative Surface Treatment Procedures for Functional Coatings and Materials”

**Program**

**Date : 2015. 9. 4. 14:00 PM ~ 18:15 PM**

Time	Speaker	Title	Chair
14:00-14:10	Kyoung Il Moon KITECH, Korea	Siheung Ppuri Technical Supporting Center: Vision and Strategic Goals	Sung Wook Mhin
14:10-14:35	Mrityunjay Singh Ohio Aerospace Institute, USA	Multifunctional Ceramic Coatings for Sustainable Energy and Environmental Applications	
14:35-15:00	Hyoungjeen Jeon Pusan National University, Korea	Low Temperature Red-Oxy Reactions on Epitaxial Oxygen Sponge	
15:00-15:25	Dileep Singh Argonne National Lab., USA	Residual Stresses and Adhesion Energy Measurements in Thin Tribological Coatings	
15:25-15:50	Paik-Kyun Shin Inha University, Korea	Plasma Polymerized Polymer Thin Films for Application in Organic Electronic Devices	
Break (15:50-16:10)			
16:10-16:35	Sanjay Mathur University of Cologne, Germany	Chemically Processed Functional Nanostructures for Energy and Health Applications	Min Su Jung
16:35-17:00	Caroline Sunyong Lee Hanyang University, Korea	Overview of Nano Particle Deposition System and Its Application for Energy Devices	
17:00-17:25	Emanuel Ionescu, Technische Universitat Darmstadt, Germany	Metal-Modified Silicon Oxy-Carbides for Energy Related Applications	
17:25-17:50	Bo Kyung Kim Hyundai Motor Company, Korea	The Two Different Type of Coatings for Increase in Fuel-Efficiency of Automobiles; a Low-Friction Coating and Thermal Insulator	
17:50-18:15	Taejin Hwang KITECH, Korea	Surface Technology as One of the Next Generation Ppuri Technology	

**Hosted by**

**Korea Institute of Industrial Technology (KITECH), Korea and University of Cologne, Germany**



**Organizers**

- Jeong Han Kim, KITECH, Korea
- Sanjay Mathur, University of Cologne, Germany
- Kyoung Il Moon, KITECH, Korea
- Sung Wook Mhin, KITECH, Korea

**Endorsed and sponsored by**





The First Symposium in Siheung Ppuri Technical Supporting Center & AMAES IV Workshop on  
 “Innovative Surface Treatment Procedures for Functional Coatings and Materials”

Date : 2015. 9. 4. 14:00 PM ~ 18:15 PM

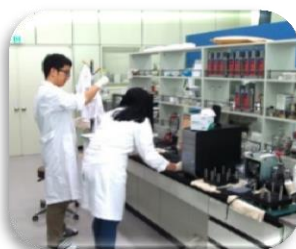


Program

Time	Speaker	Title	Chair
14:00-14:10	Kyoung Il Moon KITECH, Korea	Siheung Ppuri Technical Supporting Center: Vision and Strategic Goals	Sung Wook Mhin
14:10-14:35	Mrityunjay Singh Ohio Aerospace Institute, USA	Multifunctional Ceramic Coatings for Sustainable Energy and Environmental Applications	
14:35-15:00	Hyoungjeen Jeon Pusan National University, Korea	Low Temperature Red-Oxy Reactions on Epitaxial Oxygen Sponge	
15:00-15:25	Dileep Singh Argonne National Lab., USA	Residual Stresses and Adhesion Energy Measurements in Thin Tribological Coatings	
15:25-15:50	Paik-Kyun Shin Inha University, Korea	Plasma Polymerized Polymer Thin Films for Application in Organic Electronic Devices	
Break (15:50-16:10)			
16:10-16:35	Sanjay Mathur University of Cologne, Germany	Chemically Processed Functional Nanostructures for Energy and Heat Applications	Min Su Jung
16:35-17:00	Caroline Sunyong Lee Hanyang University, Korea	Overview of Nano Particle Deposition System and Its Application for Energy Devices	
17:00-17:25	Emanuel Ionescu, Technische Universitat Darmstadt, Germany	Metal-Modified Silicon Oxy-Carbides for Energy Related Applications	
17:25-17:50	Bo Kyung Kim Hyundai Motor Company, Korea	The Two Different Type of Coatings for Increase in Fuel-Efficiency of Automobiles; a Low-Friction Coating and Thermal Insulator	
17:50-18:15	Taejin Hwang KITECH, Korea	Surface Technology as One of the Next Generation Ppuri Technology	

Hosted by

Korea Institute of Industrial Technology (KITECH), Korea and University of Cologne, Germany



Organizers

- Jeong Han Kim, KITECH, Korea
- Sanjay Mathur, University of Cologne, Germany
- Kyoung Il Moon, KITECH, Korea
- Sung Wook Mhin, KITECH, Korea

Endorsed and sponsored by

