



2nd International Workshop on "Advanced Materials Challenges for Alternative Energy Solutions" (AMAES - II)



Scope

Building a sustainable energy system represent one of the mega-challenges of our times that has triggered a quest for alternative energy solutions both in academia and industry. Innovative materials technologies continue to enrich our hopes for future energy solutions but most of the times they undergo a long period of waiting either due to the delays in translation efforts or lack of confidence. This interdisciplinary forum will continue the dialogue initiated in September 2013 in New Delhi India (AMAES – I) to discuss the necessity to identify, develop, assess and integrate novel materials those overcome their intrinsic theoretical bulk limits and are able to manifest unprecedented material properties, while keeping the fabrication cost and environmental footprint to a minimum. A panel of internationally renowned scientists will put forward their thoughts on forming new scientific alliances and cooperation among scientists from USA, Germany, United Kingdom, EU and Korea abroad to tackle the materials challenges for new energy technologies.

Organizers

- Hong Kee Lee, KITECH, Korea
- Sanjay Mathur, University of Cologne, Germany
- Taek Soo Kim, KIRAM, Korea
- Yoon-Bong Hahn, Chonbuk National University, Korea
- Kyoung Il Moon, KITECH, Korea
- Hyun Seon Hong, IAE, Korea
- Youngha Jun, J&L tech, Korea
- Yong Sang Cho, A Tech System
- Doh-Hyung Riu, SeoulTech, Korea
- Taejin Hwang, KITECH, Korea
- Bum Sung Kim, KIRAM, Korea

Topics

- Ecological and energy-efficient processing of functional materials
- Substitution Materials and recyclability of new materials
- Functional materials for renewable fuels and energy production
- Additive and integrative processing of functional materials
- Advanced materials - sustainable use and technology transfer issues
- Future energy materials & devices



Important Dates

Submission of Abstracts	15 April, 2014
Final Program	20 April, 2014
Workshop Event	30 April, 2014

Submit abstracts to: kimoon@kitech.re.kr





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Workshop Location

Orakai Songdo Park Hotel

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Hosted by

- Korea Institute of Industrial Technology (KITECH), Korea
- Korea Institute for Rare Metals (KIRAM), Korea
- University of Cologne, Germany



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Advanced Engineering

JZ Tech
Advanced Plasma Technology



Process Equipment Pioneer