



Summer School 2016

5th International Workshop on Advanced Materials Challenges for Health and Alternative Energy Solutions

Scope

This international workshop and summer school brings together experts in the field of materials science and biomedicine to showcase and discuss recent advances and future developments in the priority areas energy and health. This event is part of the successful AMAES workshop series taking place in Germany, India and Korea extending it for the first time with a dedicated summer school inviting master and PhD students, as well as postdoctoral researchers to present their work and interact with national and international experts.

The interdisciplinary approach of joining material science, biology, medicine, chemistry, physics and engineering will allow to target new solutions for pressing societal needs in energy and health.



Topics

Energy: Advances in energy generation and storage systems; Sustainable solar fuels and CO₂ conversion

Health: Multimodal Bioimaging; Nano-bio interactions and nanotoxicity; Nanoparticle based diagnostic and therapeutic tools

International Organizing Committee

Sanjay Mathur, University of Cologne, Germany

Silke Christiansen, Helmholtz Zentrum Berlin für Materialien und Energie (HZB), Germany

Kwang Ho Kim, Pusan University, South Korea

Yoon-Bong Hahn, Chonbuk University, South Korea

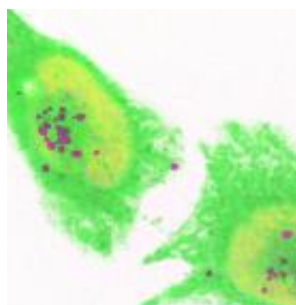
Kyoung Il Moon, KITECH, South Korea

Dates & Venue

Registration: 15th July 2016

Abstract Submission: 31th July 2016

Meeting Dates: 31th August - 3rd September 2016



University of
Cologne



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Tentative Speakers

- **Souad Ammar**, Université Paris Diderot , France
- **Ausrine Bartasyte**, University of Franche Compté Besancon , France
- **Aldo R. Boccaccini**, University of Erlangen-Nuremberg, Germany
- **Seung Zeon Han**, KIMS, Korea
- **Astrid Heckl**, Schaeffler AG, Germany
- **Eva Hemmer**, University of Ottawa, Canada
- **Yeon Sik Jung**, KAIST, Korea
- **Jeung Ku Kang**, KAIST, Korea
- **Fabian Kiessling**, RWTH Aachen, Germany
- **Kwan-Ho Kim**, Pusan National University, Korea
- **Se-Hun Kwon**, Pusan National University, Korea
- **Mohammad Nazeeruddin**, EPFL, Switzerland
- **Jin-Woo Oh**, Pusan National University, Korea
- **Jin-Seong Park**, Hanyang University, Korea
- **Woon-Ik Park**, KICET, Korea
- **Bilge Saruhan-Brings**, DLR Cologne, Germany
- **Wilson Smith**, TU Delft, Netherlands
- **Jennifer Strunk**, MPI CEC, Germany
- **Alberto Vomiero**, Lulea University of Technology, Sweden
- **Peter Wick**, EMPA (St. Gallen), Switzerland
- ... and many more



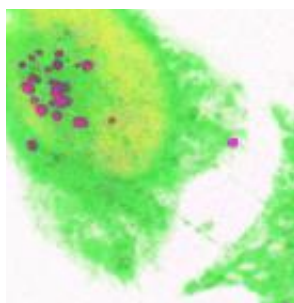
Summer School Program

- Lectures on Bioconjugated Nanomaterials Synthesis, Functionalization, Characterization and Application
- Discussion Rounds
- Lab Visits and Courses



Workshop Program

- Scientific Presentations from International Experts
- Short Poster Presentations from Summer School Attendees
- Poster Session for Summer School Attendees
- Networking



Social Program

- Get together
- City Tour
- Farewell Grill



University of
Cologne

Local Organizers & Point of Contact

Isabel Gessner, Yakup Gönüllü, Thomas Fischer, Jennifer Leduc

Point of Contact: Isabel Gessner (isabel.gessner@uni-koeln.de)

Homepage: <http://amaes.uni-koeln.de>