

Announcement & Call for Presentations

AEARU Advanced Materials Science Workshop

“State of the art research in Materials Science”

Introduction

The workshop will provide a platform for top-tier Asian universities including AEARU members to discuss the recent progress of materials science, and then result in strengthening an international collaboration by constructing the researchers' network and promoting international joint researches. We particularly would like to focus on the state of the art research topics in advanced smart materials & processing such as nanocomposites, ultralight & high-strength metals, biomaterials, 3D printing process and materials informatics by keynote speeches from distinguished researchers. In addition, through the workshop, there will be having a company tour for understanding the manufacturing and a city tour for cultural learning experiences in Osaka.

Topics

The fundamental and novel research topics regarding materials science- functional materials, structural materials, biomaterials and materials informatics, will be introduced and the discussions will be gone in each talk on state of the art research in materials science and engineering.

Venue

Convention Center, Osaka University

Registration

Those who would like to participate in the workshop are required to submit the completed form by email to kokusai-k@grp.tohoku.ac.jp no later than Wednesday, August 9.

Financial Support

Osaka University will provide accommodations for three nights, as well as meals and local transportation between the hotel and Osaka University during the workshop, for up to 2 students from each of the AEARU member universities.

Tohoku University will also provide travel subsidies for up to 3 students (including above 2 students who will receive the financial support from Osaka Univ. and 1

faculty/staff member at Tohoku University. In the case of there being a surplus of applicants, we may conduct a screening of applicants.

Program

November 1

Lectures by invited Professors from overseas and Japanese AEARU Member universities.

November 2

Company tour (Daikin Industries, Ltd.) and a city tour

Invited professors

【Functional Materials】

Prof. Koki Takanashi, Institute for Materials Research, Tohoku University, Japan

Prof. Yasufumi Fujiwara, Graduate School of Engineering, Osaka University, Japan

【Structural Materials】

Prof. Hideki Hosoda, Interdisciplinary Graduate School of Science & Engineering, Tokyo Institute of Technology, Japan

Prof. Hideyuki Yasuda, Graduate School of Engineering, Kyoto University, Japan

【Biomaterials】

Prof. Emeritus, Mitsuo Niinomi, Tohoku University, Japan

Prof. Takayoshi Nakano, Graduate School of Engineering, Osaka University, Japan

【Materials Informatics】

Prof. Teruyasu Mizoguchi, Institute of Industrial Science, University of Tokyo, Japan

Prof. Masato Yoshiya, Graduate School of Engineering, Osaka University, Japan

*We are expecting to have more professors to invite for each area. Names and institutions is to be determined.

Organizing Committee

Professor Katsuyoshi Kondoh, Department of Composite Materials Processing, Joining and Welding Research Institute (JWRI), Osaka University

Professor Shinji Fujimoto, Division of Materials and Manufacturing Science, Graduate School of Engineering, Osaka University

Contact / inquiries

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