

Tohoku-Melbourne Joint Workshop - Materials Science

Program

Date: 9 November 2019

Venue: Room 2, Okinawa Institute of Science and Technology Graduate University (OIST)

Session Chair: Professor Kiyoshi Kanie

- 10:00-10:10 Welcome Remarks
Director/Professor Atsushi Muramatsu (IMRAM, Tohoku Univ.)
- 10:10-10:30 Next Generation 3GeV Synchrotron Radiation Facility Project in Japan
Director/Professor Atsushi Muramatsu (IMRAM, Tohoku Univ.)
- 10:30-10:55 Ceramic ultra filtration and water treatment
Director/Professor Peter Scales (PFPC, Univ. of Melbourne)
- 10:55-11:15 Amino-substituted Ionic Liquids for Selective and Reversible Extraction/Back-Extraction of Platinum-Group Metal Ions
Professor Kiyoshi Kanie (IMRAM, Tohoku Univ.)
- 11:15-11:35 AlN growth behavior on Ni-Al liquid solutions
Assistant Prof. Masayoshi Adachi (IMRAM, Tohoku Univ.)
- 11:35-11:55 Modeling and simulation for improvement of powder processing
Assistant Prof. Shingo Ishihara (IMRAM, Tohoku Univ.)
- 12:00-13:30 Poster Session @ Room 3

Session Chair: Professor Junya Kano

- 13:30-13:50 Design and Fabrication of Noble Metallic Nanoparticles for Bioapplications
Assistant Prof. Anh T.N. Dao (IMRAM, Tohoku Univ.)
- 13:50-14:15 3D Printing Multi-Scale Porous Ceramics
Professor George V. Franks (PFPC, Univ. of Melbourne)
- 14:15-14:35 Mechanochemically-Assisted Preparation of Ga-Substituted MFI Zeolite Catalysts for Oxidative Conversion of Methane
Assistant Prof. Mizuho Yabushita (IMRAM, Tohoku Univ.)
- 14:35-14:55 Analysis for the effect of ball behavior on grinding in wet ball milling
Assistant Prof. Kizuku Kushimoto (IMRAM Tohoku Univ.)
- 14:55-15:15 Introduction of new research centre
Professor George V. Franks (PFPC, Univ. of Melbourne)
- 15:15-15:35 Introduction of IMM
Professor Hiroyuki Fukuyama (IMRAM, Tohoku Univ.)
- 15:40-15:50 Closing Remarks
Professor Hiroyuki Fukuyama (IMRAM, Tohoku Univ.)
- 18:00-21:00 Banquet @琉球亭/Ryukyu-Tei

- 01 Fluidic behavior of photopolymerizable monomers between silica surfaces related to single-digit-nanometer UV nanoimprinting
Assistant Prof. Shunya Ito (IMRAM, Tohoku Univ.)
- 02 Preparation of PMMA-Modified Magnetite Nanoparticles with Anisotropic Shapes and Controlled Sizes and Stimulus-Response Particle Alignment
Shen Chen (IMRAM, Tohoku Univ.)
- 03 Synthesis of Self-assembling Fe₃O₄ Nanoparticles Modified with Liquid-Crystalline Dendron
Takehiro Yachi (IMRAM, Tohoku Univ.)
- 04 Pickering Emulsions for 3D Printing of Hierarchical Porous Ceramic Architectures
Shareen S.L. Chan (PFPC, Univ. of Melbourne)
- 05 ADEM simulation for highly deformable particles
Ryo Watanabe (IMRAM, Tohoku Univ.)
- 06 Mechanism of AlN Fabrication by Substitutional Reaction between Al Layer and GaN Substrate
Marsetio Noorprajuda (IMRAM, Tohoku Univ.)
- 07 Crystal growth of AlN on Ni-Al solution
Arata Kanbara (IMRAM, Tohoku Univ.)
- 08 In-situ observation of AlN crystal growth on Fe-Al melts
Takefumi Yamagata (IMRAM, Tohoku Univ.)

Access Information

Conference Venue:

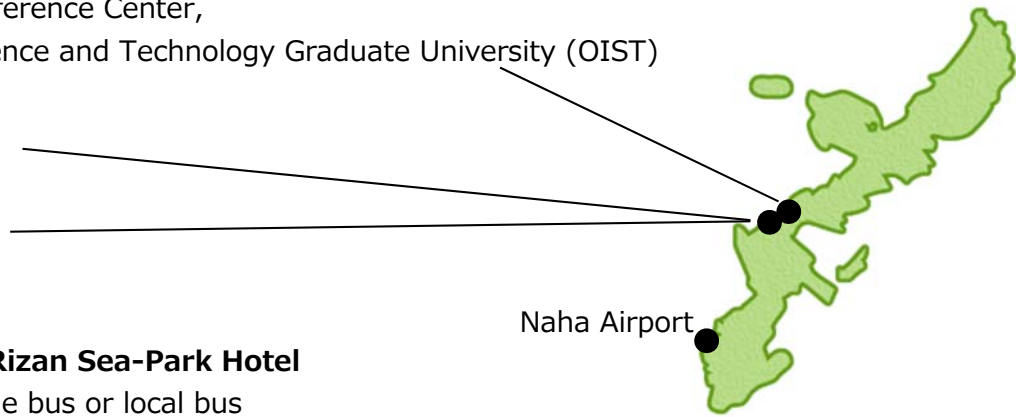
Meeting Room 2&3, Conference Center,
Okinawa Institute of Science and Technology Graduate University (OIST)

Banquet Venue:

琉球亭 (Ryukyu-Tei)

Rizan Sea-Park Hotel

Naha Airport



From Naha Airport to Rizan Sea-Park Hotel

・80 min by Airport shuttle bus or local bus

From Rizan Sea-Park Hotel to OIST

・20min by walk or 3min by taxi or 2min local bus+15min walk



Meeting Room 2&3, Conference Center, OIST

