

Program for EMN Hong Kong Meeting

December 18 to 21, 2016

Eaton Hotel, Kowloon, Hong Kong

Sunday, December 18

15:00-17:00 Onsite registration & Sign up

Monday, December 19

Room A

Session: Texture and Microstructure Property

Chair: Shibin Li

9:00-9:25

A01: Polymer particles with tunable shape and internal structures

Jintao Zhu
Huazhong University of Science and Technology, China

9:25-9:50

A02: Relationship between Deformation Behavior of Individual Grains and Their Crystal Orientations in Tensile Deformation of Coarse-grained Polycrystalline Cu Plate

Nobufumi Ueshima
Tohoku University, Japan

9:50-10:15

A03: Spontaneous Formation of Textured Surfaces Showing Superhydrophobicity and Self-healing Properties

Atsushi Hozumi
National Institute of Advanced Industrial Science and Technology, Japan

10:15-10:40

Session Break

10:40-11:05

A04: The effect of texture and temperature on Young's and shear moduli of thoria

Barbara Szpunar
University of Saskatchewan, Canada

11:05-11:30

A05: Time-Dependent Wetting of Doubly-Reentrant Cavities

Himanshu Mishra
King Abdullah University of Science and Technology, Saudi Arabia

11:30-11:55

A06: Pore structure evaluation using stereology approach

Robert Bidulsky
Technical University of Kosice, Slovakia

12:00

Lunch Break

Monday, December 19

Room A

Session: Microstructure Application

Chair: Jintao Zhu

14:30-14:55

A07: Fabrication of intermediate band solar cell based on Cr-doped ZnTe by pulsed laser deposition

Eun Kyu Kim
Hanyang University, Korea

14:55-15:20

A08: Efficient perovskite solar cells based on mesoporous structured materials

Shibin Li
University of Electronic Science and Technology of China, China

15:20-15:50

Poster Session & Session Break

Poster Session

The preparation and properties of isotropic pitch-based noncircular cross sectional carbon nanofibers

Byoung Chul Kim
Hanyang University, South Korea

15:50-16:15

A09: In-situ microstructural characterization during reverse transformation in Fe-Ni alloys

Hassan Shirazi
University of Tehran, Iran

16:15-16:40

A10: Microstructural Characteristics of Metal Oxide Based Thin Films as an Energetically Enhanced Nanomaterials

Bengu O. Uysal
Kadir Has University, Turkey

16:40

Dinner Social

Tuesday, December 20

Room A

Keynote session

Chair: Cheng Lu

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| 14:00-14:30 | A11: Anisotropy in twinning characteristics and texture evolution of rolling textured high purity alpha phase titanium | Chong Soo Lee Pohang University of Science and Technology, Korea |
| 14:30-15:00 | A12: Distribution of strain hardening and equilibrium of residual microstress in rolled metal materials | Yuriy Perlovich National Research Nuclear University, Russia |

15:00-15:25

Session Break

Session: Deformation Textures

Chair: Chong Soo Lee

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| 15:25-15:50 | A13: Crystal plasticity modelling of texture evolution in high pressure torsion | Cheng Lu University of Wollongong, Australia |
| 15:50-16:15 | A14: High Angle Resolution “Texture plus” Measurements Using Time-Of-Flight Neutron Diffraction | Pingguang Xu Japan Atomic Energy Agency, Japan |
| 16:15-16:40 | A15: Thermally Induced Microstructure Changes in Mo-B-C Thin Films | Vilma Buršíková Masaryk University, Czech Republic |
| 16:40-17:05 | A16: Tuning of crystal orientation in biaxially textured superconducting YBa ₂ Cu ₃ O ₇ nanofilms – the role of the reaction mechanism | Pieter Vermeir Ghent University, Belgium |

17:05

Dinner Social

Wednesday, December 21

One-Day Excursion: Nature, Culture, and Collaboration