



International Conference on Frontier Materials 2022

Opening Ceremony and Plenary Sessions

Morning, May 28, 2022

**Conference Hall of Beijing Institute of Nanoenergy and Nanosystems, CAS
Beijing, China**

Zoom conference No.: 837 7719 6958

Password: 429381

Organized by



1. Opening and Awarding Ceremony

09:00-09:20

Welcome address

Chair Zhiling Tian

Yong Gan
Rodrigo Martins
Changsheng Liu

President of AMAC (on-site)
President of IUMRS (on-line)
President of Shanghai University (on-line)

9:20 ~ 9:40

IUMRS Frontier Materials Awards Ceremony

Chair Tao Deng

Award announcement by IUMRS
Winner announcement

Oswaldo N. Oliveira
Tao Deng

Presentation of Awards

Award presenters: Yong Gan, Zhonglin Wang, Yafang Han

Acceptance speech by representative of winners

Lei Jiang

Academician of CAS (on-site)

Winners' acceptance speeches (VCR or on-line)

2. Plenary Session I

Morning, May 28, 2022

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9:40 ~ 10:20 (US time 20:40 ~ 21:20)

Chair Oswaldo N. Oliveira

Nanocellulose Extraction from Diverse Biomass Feedstocks by Nitro-Oxidation Method

Benjamin Hsiao Stonybrook University, USA

10:20 ~ 10:40 Coffee Break

10:40 ~ 12:00

Chair Jian Ji, Byungha Shin

10:40 ~ 11:20

From Triboelectric Nanogenerators to Maxwell Equations for Mechano-Driven Slow-Moving Media Systems

Zhonglin Wang Beijing Institute of Nanoenergy and Nanosystems, CAS

11:20 ~ 12:00

Biocompatible materials and interfaces for biodevice applications

Madoka Takai The University of Tokyo, Japan

12:00 ~ 14:00 Lunch

Plenary Session II

Afternoon, May 28, 2022

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14:00 ~ 15:20

Chair Chengtie Wu, Zijian Zheng

14:00 ~ 14:40

Thermoelectric Materials: Latest Advances and Perspectives on Applications

Jingfeng Li Tsinghua University, China

14:40 ~ 15:20 (Germany time 8:40 ~ 9:20)

Nanomembrane materials for electronic "Soft-Wear" and Micro-Robotic "Hard-Ware"

Oliver G. Schmidt Chemnitz University of Technology, Germany

15:20 ~ 15:40 Coffee Break

15:40 ~ 17:00

Chair **Tao Deng, Peter Wellmann**

15:40 ~ 16:20

Recent development of Additive Manufacturing of Advanced Materials

Jian Lu City University of Hong Kong, China

16:20 ~ 17:00 (Portugal time 9:20 ~ 10:00)

Status and perspectives of metal oxide electronics

Pedro Barquinha Elvira Fortunato, Nova University Lisbon, Portugal

17:00 ~ 17:20

Closing Remarks (on-line)

Prof. Rodrigo Martins, President of IUMRS