

Sino-Hispanic Meeting on:

# Functional Conjugated Organic Materials for (Opto)Electronics and Thermoelectrics

## Hall of IMDEA Nanociencia

### 9:00-9:30 Opening

Dr. Johannes Gierschner (IMDEA Nanociencia)

### Welcome addresses

Rodolfo Miranda (Director of IMDEA Nanociencia - Severo Ochoa International Centre of Excellence)

Daoben Zhu (Director of the Key Laboratory of Organic Solids of the Chinese Academy of Sciences, Beijing)

### 9:30-10:00 Thermoelectric Properties of Organic Materials Enabling Functional Devices

Chong-An Di (Chinese Academy of Science)

### 10:00-10:30 Morphology-Dependent Transport Behaviors in Strong Electron-Deficient Small Molecules and Polymers

Jian Pei (Peking University)

### 10:30-11:00 Theory of Excited State Decays and Carrier Transports in Organic/Polymeric Materials

Zhigang Shuai (Tsinghua University)

### 11:00-11:30 Coffee break & Poster session

### 11:30-11:50 Organic Optoelectronics Research at IMDEA Nanoscience

Johannes Gierschner (IMDEA Nanociencia)

### 11:50-12:10 Conjugated Materials and Strategies for Efficient Organic Lasers

Juan Cabanillas (IMDEA Nanociencia)

### 12:10-12:30 Photoexcitation and Charge Separation Dynamics in All-Small-Molecule OPVs

Larry Lüer (IMDEA Nanociencia)

### 12:30-13:00 Highly-Efficient Perovskite Solar Cells from Sulfur-rich Hole-Transporting Materials

Nazario Martín (IMDEA Nanociencia & Complutense Univ. Madrid)

### 13:00-14:30 Lunch & Lab tour

### 14:30-15:00 Quinoid-Type Organic Optoelectronic Materials

Xiao-Zhang Zhu (Chinese Academy of Science)

### 15:00-15:30 One to Two-Dimensional $\pi$ -Conjugated Systems based on Bis-Dithiolate Metal Moieties as Promising Electronically Functional Materials

Wei Xu (Chinese Academy of Science)

### 15:30-16:00 Exploring New Avenues in the Chemical Modification of Nanomaterials

Emilio Pérez (IMDEA Nanociencia)

### 16:00-16:30 Molecular Materials based on Phthalocyanines

Tomás Torres (IMDEA Nanociencia & Univ. Autónoma Madrid)

### 16:30 Conclusions

Organizer: Dr. Johannes Gierschner

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