

**[MoD1] Theory**

<b>Date / Time</b>	July 2 (Mon.), 2018 / 11:00-12:25
<b>Place</b>	Room D (#109)
<b>Session Chair</b>	Claude Bourbonnais (Université de Sherbrooke, Canada)

**MoD1-I1 (Invited)** 11:00-11:25

**Exchange Interactions in Molecular Materials**

Ben Powell

*Univ. of Queensland, Australia*

**MoD1-O2** 11:25-11:40

**Electronic State and Optical Response in A Hydrogen-Bonded Molecular Conductor**

Makoto Naka<sup>1</sup> and Sumio Ishihara<sup>2</sup>

<sup>1</sup>Waseda Univ., Japan, <sup>2</sup>Tohoku Univ., Japan

**MoD1-O3** 11:40-11:55

**Energy Landscape of Charge Excitations in The Boundary Region between Dimer-Mott and Charge Ordered States in Molecular Solids**

Masao Ogata<sup>1</sup>, Hidetoshi Fukuyama<sup>2</sup>, and Jun-ichiro Kishine<sup>3</sup>

<sup>1</sup>Univ. of Tokyo, Japan, <sup>2</sup>Tokyo Univ. of Science, Japan, <sup>3</sup>The Open Univ. of Japan

**MoD1-O4** 11:55-12:10

**Ground State Properties of  $\kappa$ -BEDT-TTF<sub>2</sub>X; 3/4-Filled Case and Carrier Doping**

Hiroshi Watanabe<sup>1</sup>, Hitoshi Seo<sup>2</sup>, and Seiji Yunoki<sup>2</sup>

<sup>1</sup>Waseda Univ., Japan, <sup>2</sup>RIKEN, Japan

**MoD1-O5** 12:10-12:25

**Quenched Disorder Effect on The Charge-Glass Forming Ability in The Charge Ordered Organic Compounds**

Satoshi Ohkura<sup>1</sup>, Kenichiro Hashimoto<sup>1</sup>, Ryota Kobayashi<sup>1</sup>, Yuya Karakane<sup>1</sup>, Yuka Ikemoto<sup>2</sup>, Taro Moriwaki<sup>2</sup>, and Takahiko Sasaki<sup>1</sup>

<sup>1</sup>IMR, Tohoku Univ., Japan, <sup>2</sup>JASRI, Spring-8, Japan