

### [TuPM1-04] Topological and Quantum Materials

Date / Time	Aug. 28 (Tue.), 2018 / 14:30-16:30
Place	Samda A (Room C)
Session Chair	Su Ying Quek (National University of Singapore, Singapore)

#### [TuPM1-04-K-1] (Keynote)

14:30-15:00

##### Electronic Raman Scattering in Quantum Materials and 2D Crystals

P. Massat<sup>1</sup>, E. Ricciardi, S. Chibani<sup>1</sup>, D. Farina<sup>1</sup>, I. Paul<sup>1</sup>, J. Schmalian<sup>2</sup>, O. Kashuba<sup>3</sup>, S. Karlsson<sup>4</sup>, P. Strobel<sup>4</sup>, P. Toulemonde<sup>4</sup>, M.A. Méasson<sup>1,4</sup>, M. Cazayous<sup>1</sup>, A. Sacuto<sup>1</sup>, S. Kasahara<sup>5</sup>, T. Shibauchi<sup>6</sup>, Y. Matsuda<sup>5</sup>, Y. Tanabe<sup>7</sup>, K. Tanigaki<sup>7</sup>, and Y. Gallais<sup>1</sup>

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#### [TuPM1-04-O-2]

15:00-15:15

##### Raman-Spectroscopic Fingerprints of Transport Anomalies in the Weyl Semimetal WP<sub>2</sub>

Dirk Wulferding<sup>1</sup>, Peter Lemmens<sup>1</sup>, Chandra Shekhar<sup>2</sup>, and Claudia Felser<sup>2</sup>

<sup>1</sup>TU Braunschweig, Germany, <sup>2</sup>Max Planck Institute CPFS Dresden, Germany

#### [TuPM1-04-O-3]

15:15-15:30

##### MXene (Ti<sub>3</sub>C<sub>2</sub>) as a Sensor for Surface-Enhanced Raman Spectroscopy

Asia Sarycheva, Taron Makaryan, Kathleen Maleski, and Yury Gogotsi

Drexel University, USA

#### [TuPM1-04-O-4]

15:30-15:45

##### In situ Raman Spectroscopy of 3D Core-Shell Current Collector for Lithium Ion Battery

Hao Yang, Muhammad-Sadeeq Balogun, Jian Chen, and Yexiang Tong

Sun Yat-Sen University, China

#### [TuPM1-04-I-5] (Invited)

15:45-16:05

##### Brillouin Spectroscopy Applied to Relaxor Ferroelectrics

Jae-Hyeon Ko

Hallym University, Korea