



## [ThAM-04] Magnetic Materials 2

**Date / Time** Aug. 30 (Thu.), 2018 / 10:00-12:00

**Place** Samda A (Room C)

**[ThAM-04-I-1] (Invited) 10:00-10:20**

### **Raman Scattering as a Spectroscopic Fingerprint of Unconventional Quantum States in Magnetic Solids**

P. Lemmens<sup>1</sup>, D. Wulferding<sup>1</sup>, V. Gnezdilov<sup>1,2</sup>, V. Kurnosov<sup>2</sup>, Yu. G. Pashkevich<sup>2</sup>, A.K. Bera<sup>3</sup>, A.T.M.N. Islam<sup>3</sup>, and B. Lake<sup>3</sup>

<sup>1</sup>TU Braunschweig, Germany, <sup>2</sup>NASU, U.K.raine, <sup>3</sup>Helmholtz-Zentrum Berlin, Germany

**[ThAM-04-I-2] (Invited) 10:20-10:40**

### **When High Magnetic Fields Meet Raman Spectroscopy: Examples and Lessons**

Dmitry Smirnov

National High Magnetic Field Laboratory, USA

**[ThAM-04-I-3] (Invited) 10:40-11:00**

### **Magnetism, Nematicity, and Uctuations in FeSe**

A. Baum<sup>1,2</sup>, H. N. Ruiz<sup>3,4</sup>, N. Lazarevic<sup>5</sup>, Yao Wang<sup>3,6</sup>, T. Bohm<sup>1,2</sup>, R. Hosseinian Ahangharnejhad<sup>1,2</sup>, P. Adelman<sup>7</sup>, T. Wolf<sup>7</sup>, Z. V. Popovic<sup>5,8</sup>, B. Moritz<sup>3</sup>, T.P. Devereaux<sup>3,4</sup>, and R. Hackl<sup>1</sup>

<sup>1</sup>Walther Meissner Institut, Germany, <sup>2</sup>Technische Universitat Munchen, Germany, <sup>3</sup>SLAC National Accelerator Laboratory, USA, <sup>4</sup>Stanford University, USA, <sup>5</sup>University of Belgrade, Serbia, <sup>6</sup>Stanford University, USA, <sup>7</sup>Institut fur Festkorperphysik, Germany, <sup>8</sup>Ser

**[ThAM-04-I-4] (Invited) 11:00-11:20**

### **Brillouin Spectroscopy Applied to Relaxor Ferroelectrics**

Jae-Hyeon Ko

Hallym University, Korea

**[ThAM-04-O-5] 11:20-11:35**

### **The Structural Phase Transitions in the Elpasolites with ReF<sub>6</sub> Octahedral Molecular Group**

S. N. Krylova, A. S. Krylov, A. N. Vtyurin, and V.N. Voronov

Kirensky Institute of Physics FRC KSC SB RAS, Russia

**[ThAM-04-O-6] 11:35-11:50**

### **Measuring Molecular Orientation for Nanoelectronic Applications Using Polarised Raman Spectroscopy**

Sebastian Wood<sup>1</sup>, Grigorios-Panagiotis Rigas<sup>1,2</sup>, Alina Zoladek-Lemanczyk<sup>1</sup>, James C. Blakesley<sup>1</sup>, Maxim Shkunov<sup>2</sup> and Fernando A. Castro<sup>1</sup>

<sup>1</sup>National Physical Laboratory, U.K., <sup>2</sup>University of Surrey, U.K.