

Invited Talks

IS-3 Surface Engineering (SE)	Dr. Reza Valizadeh <i>Cockcroft Institute of Accelerator Science, UK</i> NEG as an multifunctional coating: pro & cons, present limitations & possible developments/applications for future machines	
IS-4 Thin Film (TF)	Prof. Zonghan Xie <i>University of Adelaide, Australia</i> The quest for strong, yet tough alloys	
IS-5 Renewable Energy Technologies(RE)	Prof. Takahiro Kondo <i>University of Tsukuba, Japan</i> New 2D materials for hydrogen generation, storage, and usage,	
IS-6 Surface Science (SS)	Dr. Junichiro Kamiya <i>Japan Atomic Energy Agency (JAEA), Japan</i> Distinctive operational achievements of the J-PARC vacuum system and developments of vacuum technologies inspired by the accelerator vacuum technology	
IS-7 Applied Surface Science (AS)	Dr. Kazuhiro Tamura <i>Japan Synchrotron Radiation Research Institute (JASRI), Japan</i> Vacuum system for SPring-8-II storage ring	
IS-8 Electronic Materials & Processing (EM)/ Thin Film (TF)	Prof. Yi-Chun LIU <i>Key Laboratory of UV-Emitting Materials and Technology, Northeast Normal University, China</i> High-temperature stable Al&F co-doped ZnO transparent conductive film	
IS-9 Nanostructures & Photocatalysis (NP)	Dr. Chang-Zhi GU <i>Institute of Physics, CAS, China</i> The 3D nanostructures and nanodevices: fabrication, property and application	
IS-10 Surface Science (SS)	Prof. Zhen-Chao DONG <i>University of Science and Technology of China, China</i> STM-Based Single-Molecule Optical Spectroscopy	
IS-11 Thin Film (TF)	Dr. Jian-Dong GUO <i>Institute of Physics, Chinese Academy of Sciences, China</i> Stability of the Magnetism of Ultrathin CrxTey Films in Different Phases	

<p>IS-12</p>	<p>Prof. Chun-Liang Lin <i>Department of Electrophysics, National Yang Ming Chiao Tung University, Taiwan</i> Tomography Scan of Charge Density Wave in NbSe₂</p>	
<p>IS-13 Applied Surface Science (AS)</p>	<p>Prof. Zhong CHEN <i>School of Materials Science & Engineering/Nanyang Technological University</i> Mechanically Durable Transparent Anti-fogging and Anti-Fingerprint Coatings on Polymeric Substrates</p>	
<p>IS-14 Surface Engineering (SE)</p>	<p>Prof. Yin-Yu Chang <i>Department of Mechanical and Computer-Aided Engineer/National Formosa University</i> Effect of Si and B addition on the mechanical properties and thermal stabilities of ternary nitride hard coatings</p>	
<p>IS-15 Applied Surface Science (AS)</p>	<p>Prof. Fan-Bean Wu <i>Department of Materials Science and Engineering/National United University</i> Manufacture and Mechanical Characterization of Refractory Metal Nitride Films with Multilayer and Multiphase Features</p>	
<p>IS-16 Thin Film (TF)</p>	<p>Prof. Tadahiro Komeda <i>Tohoku University</i> Investigation of Spin State of Magnetic Molecule in Tunneling Junction Combined with RF Signal</p>	
<p>IS-17</p>	<p>Prof. Lain-Jong (Lance) Li <i>Hong Kong University</i> Boosting bulk photovoltaic effect in transition metal dichalcogenide by edge semimetal</p>	
<p>IS-18 Electronic Materials & Processing (EM)</p>	<p>Prof. CHEN Wei <i>National University of Singapore Department of Chemistry & Department of Physics</i> 2D Materials based Functional Devices: Interface Engineering</p>	
<p>IS-19 Electronic Materials & Processing (EM)</p>	<p>Prof. Young Hee Lee <i>Department of Energy Science, Sungkyunkwan University (SKKU), Suwon 16419, Republic of Korea</i> Challenges in van der Waals layered magnetic semiconductors</p>	
<p>IS-20 Nanostructures & Photocatalysis (NP)</p>	<p>Prof. Tetsuhide Shimizu <i>Tokyo Metropolitan University, Faculty of Systems Design, Division of Mechanical System Engineering</i> Growth dynamics of catalyst nanoparticles in high-power pulsed hollow</p>	

	cathode sputtering	
IS-21	Prof. Jochen M. Schneider <i>Chair of Materials Chemistry, RWTH Aachen University</i> Recent development of dual phase supra-nanostructure and Turing nanostructure: concept, processing and applications	