

<b>Monday Sept. 5, 2016</b>		
<b>Room A</b>		
9: 50-10: 00AM	<b>Opening Ceremony</b>	
<b>Session: Keynote      Chair: John Harding</b>		
10:00-10:35AM	A01: Polarity in the growth of nitride semiconductors	<b>Takashi Matsuoka</b> Tohoku University, Japan
<b>Session: Bulk Crystal Growth      Chair: Takashi Matsuoka</b>		
10:35-11:00AM	A02: Numerical analysis of liquid phase diffusion growth of SiGe crystals under the combined influence of static magnetic field and crucible translation	<b>Mandeep Sekhon</b> University of Victoria, Canada
11:00-11:25AM	A03: Growth and characterization of CdTe-based compounds	<b>Dominika Kochanowska</b> Institute of Physics, PAS, Poland
11:25-11:50AM	Session Break	
<b>Session: Growth of oxide materials and structures I      Chair: Murielle Rivenet</b>		
11:50-12:15PM	A04: Oxide isomers: phase control of oxide thin films by PLD	<b>Mitsuru Itoh</b> Tokyo Institute of Technology, Japan
12:15-12:40PM	A05: Crystal growth with oxygen partial pressure of the BaCuSi <sub>2</sub> O <sub>6</sub> and Ba <sub>1-x</sub> Sr <sub>x</sub> CuSi <sub>2</sub> O <sub>6</sub> spin dimer compounds	<b>Natalija Van Well</b> Paul Scherrer Institute, Switzerland
12:40-13:05PM	A06: Formation and properties of oxide whiskers resulting from copper electrodeposition and annealing	<b>Alexey E. Romanov</b> Togliatti State University, Russia
13:30-15:00PM	Lunch Break	

**Monday Sept. 5, 2016**

**Room A**

**Session: Crystal Engineering I**

**Chair: Monica Craciun**

15:00-15:25PM	A07: Using computational simulation to understand biomineralisation: a problem in hetero-interfaces	<b>John Harding</b> The University of Sheffield, UK
15:25-15:50PM	A08: Crystallization process of anodic porous alumina membrane by heating	<b>Sachiko Ono</b> Kogakuin University, Japan
15:50-16:15PM	A09: Gas - solution interface technique for design and growth of the 2D inorganic nanocrystals and microtubes from them	<b>Larisa B. Gulina</b> St. Petersburg State University, Russia
16:15-16:40PM	A10: The possibility of generating a patterned x-ray beam using magnetic crystals	<b>Hiromichi Adachi</b> Shinshu University, Japan
16:40-17:05PM	Session Break	
<b>Session: Single Crystals I</b>		<b>Chair: Andrea Deak</b>
17:05-17:30PM	A11: Crystal Structures of Ag-cyanoximates as a Guide for Search for Light Insensitive Silver(I) Compounds	<b>Nikolay Gerasimchuk</b> Missouri State University, USA
17:30-17:55PM	A12: Growth and investigation of $\beta$ -Ga <sub>2</sub> O <sub>3</sub> single crystals	<b>Vladislav Bougrov</b> ITMO University, Russia
17:55-18:20PM	A13: Preferred crystal orientation of cold-rolled titanium	<b>Jarkko Leiro</b> University of Turku, Finland
18:20-18:45PM	A14: Electronic Contribution to the Change of Adsorption Energy at Surfaces of Semiconductors - Mechanism and Consequences to Crystals Growth	<b>Pawel Strak</b> Institute of High Pressure Physics of the Polish Academy of Sciences, Poland
19:30PM	Dinner Social	

**Tuesday Sept. 6, 2016**

**Room B**

**Session: Crystal Growth for Optoelectronic Device I**

**Chair: Yongjo Park**

10:00-10:25AM	B01: Single Crystal Phosphors for High-Power White LEDs and LDs	<b>Kiyoshi Shimamura</b> National Institute for Materials Science (NIMS), Japan
10:25-10:50AM	B02: Cladding Formation of Sapphire and YAG Crystalline Fibers	<b>Sheng-Lung Huang</b> National Taiwan University, Taiwan
10:50-11:15AM	B03: Growth of RE-doped alkaline-earth borates and silicates and their optical properties	<b>Michal Glowacki</b> Institute of Physics, PAS, Poland
11:15-11:40AM	Session Break	
<b>Session: General</b>		<b>Chair: Kiyoshi Shimamura</b>
11:40-12:05PM	B04: Faceting Diagram: Anomaly in Surface Tension and Formation of the Macrostep caused by Step-Step Attraction	<b>Noriko Akutsu</b> Osaka Electro-Communication University, Japan
12:05-12:30PM	B05: Control of surface kinetics in AlGaIn growth	<b>Zlatko Sitar</b> North Carolina State University, USA
12:30-12:55PM	B06: Kemenyan (Styrax Benzoin Dryand) Extract as Green Inhibitor of Calcium Carbonate (CaCO <sub>3</sub> ) Crystallization	<b>Suharso Suharso</b> University of Lampung, Indonesia
12:55-13:20PM	B07: Melt inclusions: macroscopic growth defect as recorder of magma history	<b>Francois Faure</b> CRPG-CNRS-Université de Lorraine, France
13:30-15:00PM	Lunch Break	

**Tuesday Sept. 6, 2016**

**Room B**

**Session: Epitaxial thin films and nanostructures I**

**Chair: Stephen Pennycook**

15:00-15:25PM	B08: Sculptured Thin Films by Ion Beam Sputtering	<b>Bernd Rauschenbach</b> IOM and University of Leipzig, Germany
15:25-15:50PM	B09: 1D ZnO-based heterostructures for optoelectronic applications : growth mechanisms and characterizations at the nanoscale	<b>Vincent Sallet</b> CNRS-Université de Versailles- St Quentin, France
15:50-16:15PM	B10: Modeling and analysis of convective processes in gas phase during MOCVD epitaxy of semiconducting layers in reaction chamber with rotating disk substrate holder	<b>Pavel Boldyrevskii</b> Nizhny Novgorod Lobachevsky State University, Russia
16:15-16:40PM	B11: Ethylene decomposition on Ir(111): Initial path to graphene formation	<b>Lev Kantorovitch</b> King' s College London, UK
16:40-17:20PM	<b>Poster Session</b>	
<b>Session: Growth of oxide materials and structures II</b>		<b>Chair: Mitsuru Itoh</b>
17:20-17:45PM	B12: RE <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> glasses - potential candidates for laser applications	<b>Anna Prnova</b> Vitrum Laugaricio - Joint Glass Center of the IIC SAS, Slovakia
17:45-18:10PM	B13: Crystal Growth and Design of Neodymium Oxide Precursors and Implementation to Actinides	<b>Murielle Rivenet</b> University of Lille, France
19:30PM	Dinner Social	

**Tuesday Sept. 6, 2016**

**Room C**

**Session: Epitaxial thin films and nanostructures II**

**Chair: Bernd Rauschenbach**

10:00-10:25AM	C01: Epitaxial growth of SiC films via Si-Ni flux by pulsed laser deposition	<b>Yuji Matsumoto</b> Tohoku University, Japan
10:25-10:50AM	C02: Innovating New Materials through Aberration-corrected Microscopy	<b>Stephen Pennycook</b> National University of Singapore, Singapore
10:50-11:15AM	C03: Confinement and Interface induced orientation of semi-crystalline Poly-Caprolactone	<b>Wilhelm Kossack</b> Universität Leipzig, Germany
11:15-11:40AM	Session Break	
<b>Session: Growth of oxide materials and structures III</b>		<b>Chair: Mitsuru Itoh</b>
11:40-12:05PM	C04: Effect of the titanium dioxide crystal and amorphous phases on its biological properties	<b>Pietro Mandracci</b> Politecnico di Torino, Italy
12:05-12:30PM	C05: Development of new Molybdenum based oxide crystal scintillators	<b>HongJoo Kim</b> Kyungpook National University, Korea
12:30-12:55PM	C06: Single Crystalline Metal Oxide Nanowires	<b>Mickael Boudot</b> Kyushu University, Japan
13:30-15:00PM	Lunch Break	

**Tuesday Sept. 6, 2016**

**Room C**

**Session: Crystal Growth for Optoelectronic Device II**

**Chair: Sheng-Lung Huang**

15:00-15:25PM	C07: Growth and characterization of GaInN/GaN multi-quantum shell active layer for novel optoelectronic devices	<b>Satoshi Kamiyama</b> Meijo University, Japan
15:25-15:50PM	C08: Mercurous Halide Crystals for Optoelectronic Applications	<b>Sudhir B. Trivedi</b> Brimrose Technology Corporation, USA
15:50-16:15PM	C09: Influence of molecular organization and interactions on excitonic devices	<b>Helena Alves</b> University of Aveiro, Portugal
16:15-16:40PM	C10: Growth and characterization of Lithium niobate tantalate mixed crystals: A theoretical and experimental investigation	<b>Michael Rusing</b> University of Paderborn, Germany
16:40-17:20PM	<b>Poster Session</b>	
<b>Session: Crystal Growth for Renewable Energy and Energy Storage I</b>		<b>Chair: Raissi Mahfoudh</b>
17:20-17:45PM	C11: Semiconductor metal oxide crystals prepared by a flux method for photocatalytic reactions	<b>Hisao Yoshida</b> Kyoto University, Japan
17:45-18:10PM	C12: Design and Crystal Growth of Novel Thermoelectric Clathrates	<b>Andrey Prokofiev</b> Vienna University of Technology, Austria
18:10-18:35PM	C13: Using hydration transitions in inorganic crystals for long term heat storage	<b>Henk Huinink</b> Technische Universiteit Eindhoven, The Netherlands
19:30PM	Dinner Social	

Wednesday Sept. 7, 2016

Room B

**Session: Crystal Growth for Renewable Energy and Energy Storage II** Chair: Henk Huinink

10:00-10:25AM	B14: Development of growth technology for producing high quality mc-Si ingot	<b>Kozo Fujiwara</b> Tohoku University, Japan
10:25-10:50AM	B15: Low-defect metamorphic Ge(Si) epilayers on Si(001) with a buried template of nanocavities for multiple-junction solar cells	<b>Raissi Mahfoudh</b> University of Nantes, France
10:50-11:15AM	B16: Single crystals and nano-particles applications in electrochemistry: A theoretical and experimental approach	<b>Eduardo Nicolas Schulz</b> The University of Birmingham, UK
11:15-11:40AM	Session Break	
<b>Session: Crystal Engineering II</b> Chair: Sachiko Ono		
11:40-12:05PM	B17: The growth of graphene single and polycrystalline films for advanced applications	<b>Monica Craciun</b> University of Exeter, UK
12:05-12:30PM	B18: Co-crystals of Drugs: Methods of Preparation and Properties	<b>Tatyana Shakhtshneider</b> Novosibirsk State University, Russia
12:30-12:55PM	B19: Fast Switching and Resistance Control in Chalcogenide-Based Memory Device	<b>You Yin</b> Gunma University, Japan
12:55-13:20PM	B20: Engineering of molecular crystal polymorphs: guides from computer simulations	<b>Dirk Zahn</b> Universität Erlangen-Nürnberg, Germany
13:30-15:00PM	Lunch Break	

Wednesday Sept. 7, 2016

Room B

Session: Single Crystals II

Chair: Nikolay Gerasimchuk

15:00-15:25PM	B21: Gold(I) Compounds with Stimuli-Responsive Luminescent Properties	<b>Andrea Deak</b> Institute of Organic Chemistry, Hungarian Academy of Sciences, Hungary
15:25-15:50PM	B22: Bulk crystal growth and characterization of 2 Inch Ca <sub>3</sub> Ta(Ga,Al) <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> Single Crystals for Piezoelectric Applications	<b>Akira Yoshikawa</b> Tohoku University, Japan
15:50-16:15PM	B23: Innovation in growth and polishing of single crystalline diamond substrate: heteroepitaxial growth of free-standing diamond by chemical vapor deposition and its surface planarization by plasma fusion chemical mechanical polishing	<b>Hideo Aida</b> Namiki Precision Jewel Co., Ltd, Japan
16:15-16:40PM	B24: Effect of Partial Substitution in BiS <sub>2</sub> -based superconductors	<b>Satoshi Demura</b> Tokyo University of Science, Japan
16:40-17:05PM	Session Break	
Session: Crystal Growth for Optoelectronic Device III		Chair: Sudhir B. Trivedi
17:05-17:30PM	B25: Growth and Optical Characteristics of GaN on Cavity-Patterned Sapphire Substrate	<b>Yongjo Park</b> Advanced Institutes of Convergence Technology, Korea
17:30-17:55PM	B26: Effects of Li <sup>+</sup> ions on structure and upconversion photoluminescence TiO <sub>2</sub> nano-crystals	<b>Juncheng Liu</b> Tianjin Polytechnic University, China
17:55-18:20PM	B27: Study the electro-optic characters of DKDP crystal in frequency conversion for high power laser	<b>Dean Liu</b> Shanghai Institute of Optics and Fine Mechanics, CAS, China
19:30PM	Dinner Social	



Wednesday Sept. 7, 2016

Room C

**Session: Growth of oxide materials and structures IV    Chair: Pietro Mandracci**

10:00-10:25AM	C14: Titania Nanotubes for Environmental and Health Monitoring	<b>Vardan Galstyan</b> University of Brescia and CNR INO, Italy
10:25-10:50AM	C15: Doping effects in TbMnO <sub>3</sub> crystals	<b>Suja Elizabeth</b> Indian Institute of Science, India
10:50-11:15AM	C16: Crystal growth of the metallic Delafossite oxides	<b>Seunghyun Khim</b> Max Planck Institute for Chemical Physics of Solids, Germany
11:15-11:40AM	Session Break	

**Session: Growth of oxide materials and structures V    Chair: Vardan Galstyan**

11:40-12:05PM	C17: Atomically Flat Ultrathin Cobalt Ferrite Islands	<b>Adrian Quesada</b> Ceramics for Smart Systems group, Spain
12:05-12:30PM	C18: Large size single crystal growth of Mg co-doped Ce:Gd <sub>3</sub> (Al,Ga) <sub>5</sub> O <sub>12</sub> scintillator and their scintillation properties	<b>Kei Kamada</b> Tohoku University, Japan
13:30-15:00PM	Lunch Break	

Wednesday Sept. 7, 2016

Room C

**Session: Epitaxial thin films and nanostructures III**

**Chair: Ivan Prieto-Gonzalez**

15:00-15:25PM	C19: Growth of Si <sub>4</sub> O <sub>5</sub> N <sub>3</sub> single layer on SiC(0001) in vacuum	<b>Seigi Mizuno</b> Kyushu University, Japan
15:25-15:50PM	C20: Filterless vacuum ultraviolet photodetector based on fluoride thin films	<b>Shingo Ono</b> Nagoya Institute of Technology, Japan
15:50-16:15PM	C21: Modeling the evolution of crystalline solids and films: surface diffusion, faceting and growth by a phase-field approach	<b>Marco Salvalaglio</b> Technische Univesitat Dresden, Germany
16:15-16:40PM	C22: Epitaxial-induced polymer crystallization: mechanism and application in multistructure control	<b>Shouke Yan</b> Beijing University of Chemical Technology, China
16:40-17:05PM	Session Break	
<b>Session: Epitaxial thin films and nanostructures IV</b>		
<b>Chair: Marco Salvalaglio</b>		
17:05-17:30PM	C23: Crystal Growth on Nanoscale Wiring by Cu Electrodeposition in Supercritical Carbon Dioxide Emulsified Electrolyte toward 3D Integrated Circuits	<b>Masato Sone</b> Tokyo Institute of Technology, Japan
17:30-17:55PM	C24: Quick Characterization of Surface, Interface, and Epitaxial Thin Film by Rainbow X-ray Diffraction	<b>Tetsuro Shirasawa</b> University of Tokyo, Japan
17:55-18:20PM	C25: Nano-heteroepitaxy of GaAs on Si nano-tips by metal-organic vapour phase epitaxy	<b>Ivan Prieto-Gonzalez</b> ETH Zürich, Switzerland
18:20-18:45PM	C26: A-axis Growth of Nanostructured VO <sub>2</sub> Thin films by Pulsed Laser Deposition on substrate glass	<b>Balla Diop Ngom</b> Université Cheikh Anta Diop de Dakar, Senegal
19:30PM	Dinner Social	

**Tuesday Sept. 6, 2016**

16:40-17:20PM

**Poster Session**

P01	Effects of Guest Molecules Diffusion on Layered Pattern of Tetrahydrofuran Clathrate Hydrates formed in Silica Beads	<b>Kazushige Nagashima</b> Meiji University, Japan
P02	Bulk Single Crystal Growth of Mg <sub>2</sub> Si by the Liquid Encapsulated Vertical Gradient Freezing Method	<b>Hiroshi Katsumata</b> Meiji University, Japan
P03	Laser Heated Pedestal Growth of Cr: Forsterite Crystalline Fibers Applied as Continuous-Wave Broadband Light Source for Optical Coherence Tomography	<b>Pinghui Sophia Yeh</b> National Taiwan University of Science and Technology, Taiwan
P04	Exemplarily analysis of crystal composition and vibrational properties with the aid of angular dependent $\mu$ -Raman spectroscopy on KTP	<b>Peter Mackwitz</b> Universität Paderborn, Germany
P05	Monolayer graphene films grown by cold-wall CVD for flexible, transparent touch sensing applications	<b>Matthew Barnes</b> University of Exeter, UK
P06	Steering the performance of MoO <sub>3</sub> hole transporting layers for OLEDs and OPVs: morphology vs. electronic structure	<b>An Hardy</b> Hasselt University, Belgium