

## SCIENTIFIC PROGRAM | MONDAY, JULY 22

<b>12:30-12:45</b>	Setting spin ensemble in boron nitride by the MOCVD growth temperature Jakub Iwański (University of Warsaw, Poland)	
<b>12:45-13:00</b>	Orientation and mobility control of 4HCB organic film for high X-ray detection performance Meng Xu (Northwestern Polytechnical University, China)	
<b>13:00-13:15</b>	Investigation of defects influencing the mobility and carrier lifetime in high purity germanium single crystals for radiation detector applications Pradeep Chandra Palleli (Leibniz-Institut für Kristallzüchtung, Germany)	
<b>13:15-13:30</b>	Advancements in Molecular Beam Epitaxy verification for high-quality heterostructure growth at VIGO Photonics Bartłomiej Seredyński (VIGO Photonics, Poland)	
<b>13:30-13:45</b>	Amino acid iodobismuthates for solar energy conversion Gayane Tonoyan (Institute of Applied Problems of Physics, NAS RA, Armenia)	
<b>13:45-14:00</b>	Earth abundant oxynitrides alloys for tandem solar cells Khiem Tu Tran (Université Côte d'Azur, CNRS, CRHEA, France)	
<b>14:00-14:15</b>	LPE growth and Magnetic properties of Bi,Mn:YIG films Anhua Wu (Shanghai Institute of Ceramics, China)	
<b>11:45-14:15</b>	<b>Session S6+S9 - Crystallization for Food and Pharmaceutical Production + Bio-crystallization</b>	Room 106
Chairs	S6: Elena Simone, Botond Szilagyi, S9: Monika Spano, Filipa Castro	
<b>11:45-12:15</b> INVITED TALK	Crystal Engineering for storage and release of molecular active ingredients Paolo P. Mazzeo (University of Parma, Italy)	
<b>12:15-12:45</b> INVITED TALK	Templated crystallisation of Biopharmaceuticals Vivek Verma (University College Cork, UK)	
<b>12:45-13:00</b>	Can the architecture of the gel precursor during non-classical nucleation be predictive of pathological biomineralization? Linda Pastero (University of Turin, Italy)	
<b>13:00-13:15</b>	Identification of a model compound of solvate drying: crystallization development and characterization of 4-[(3-methoxy-2-oxidobenzylidene)azaniumyl]benzoic acid methanol monosolvate Norah Salem Alsaïari (University of Leeds, UK)	
<b>13:15-13:30</b>	Combined cooling and antisolvent crystallization for enhanced deracemization of conglomerates Botond Szilagyi (Budapest University of Technology and Economics, Hungary)	
<b>13:30-13:45</b>	A crystal engineering approach for rational design of novel sustainable food, agrochemical and pharmaceutical formulations Elena Simone (Politecnico di Torino, Italy)	
<b>13:45-14:15</b> INVITED TALK	Advanced Particle Size and Shape Control of Active Pharmaceutical Ingredients Merve Öner (Johnson & Johnson Innovative Medicine, Belgium)	

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<b>15:15-17:00</b>	<b>Session S1 - Fundamentals of Crystal Growth and Modeling</b>	Room 107
Chairs	Dominique Maes, Janis Virbulis	
<b>15:15-15:30</b>	Properties of Fused Quartz Crucibles for Czochralski Silicon Production Gabriela Kazimiera Warden (Norwegian University of Science and Technology, Norway)	
<b>15:30-15:45</b>	Vicinal (111) surfaces and dislocation interaction at multi-crystalline Si solid-liquid interface Thierry Duffar (Université Grenoble Alpes, SIMaP, France)	
<b>15:45-16:00</b>	3D-CT visualization of the source materials surface relief and the crystal growth interface during SiC PVT growth Sven Strueber (Crystal Growth Lab, FAU Erlangen, Germany)	
<b>16:00-16:15</b>	Dynamic deformation modeling for the interfaces of growing, etching, and depositing in TSSG-SiC Xin Liu (Nagoya University, IMASS, Japan)	
<b>16:15-16:30</b>	Atomistic modelling of (N, Al) co-doping in bulk silicon carbide Zahra Rajabzadeh (Montanuniversität Leoben, Austria)	
<b>16:30-16:45</b>	Review of a new class of amino acid salts Gayane Tonoyan (Institute of Applied Problems of Physics, NAS RA, Armenia)	
<b>16:45-17:00</b>	On the effect of simulated annealing on structural and energetic properties of some silicon nanoparticles: a molecular dynamics survey Katia Demil (University of Science and Technology Houari Boumediene, Algeria)	
<b>15:15-17:00</b>	<b>Session S6+S9 - Crystallization for Food and Pharmaceutical Production + Bio-crystallization</b>	Room 106
Chairs	S6: Elena Simone, Botond Szilagyi, S9: Monika Spano, Filipa Castro	
<b>15:15-15:45</b> INVITED TALK	Crystallization versus aggregation states in protein solutions Joana Ferreira (Massachusetts Institute of Technology, USA)	
<b>15:45-16:15</b> INVITED TALK	Modeling-based Control and Monitoring of Preparative Protein Crystallization Processes Brigitte Walla (Technische Universität München, Germany)	
<b>16:15-16:30</b>	From nucleation to growth: understanding copper's influence on struvite formation in relation to infection urinary stones Arijit Mukherjee (Lodz University of Technology, Poland)	
<b>16:30-16:45</b>	Continuous protein crystallization under oscillatory flow mixing Filipa Castro (University of Minho, Portugal)	
<b>16:45-17:00</b>	Phosphoric acid versus biogenic mineralization of CA and HAP in relation to infection-induced urinary stones Jolanta Prywer (Lodz University of Technology, Poland)	
<b>17:00-19:00</b>	<b>Poster Session I - Sessions S1, S3, S4, S5, S6, S7 and S9</b>	Room 116