

9:00-10:00 Chair	Plenary Session II Wolfram Miller (Leibniz-Institut für Kristallzüchtung, Germany) Crystal Research & Development by IKZ : Status & Perspective Thomas Schröder (Leibniz-Institut für Kristallzüchtung, Germany)	Aula
10:15-14:00 Chairs	Session S7 - Growth of Nanocrystals Zbigniew R. Żytkiewicz, Lutz Geelhaar, Marta Sobańska	Room 106
10:15-10:45 INVITED TALK	Crystal Growth and Nucleation of Semiconductor Nanostructures Explored by in-situ Investigations Kimberly Dick Thelander (Lund University, Sweden)	
10:45-11:00	Sc-containing axial and radial group-III nitride nanowire heterostructures Lutz Geelhaar (Paul-Drude-Institut für Festkörperelektronik, Germany)	
11:00-11:15	Growth a- and m-plane non-polar AlN pseudo-substrates by Molecular Beam Epitaxy Amalia Fernando Saavedra (Technical University of Madrid, Spain)	
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11:45-12:15 INVITED TALK	The Nanowire (R)evolution viewed at atomic scale: from VLS vertical systems to planar quantum networks Sara Martí-Sánchez (Institut Català de Nanociència i Nanotecnologia, Spain)	
12:15-12:30	A comprehensive study of In incorporation into $In_xGa_{1-x}N$ nanoshells grown around pencil-like GaN nanowires Jovana Obradovic (Polytechnic University of Madrid, Spain)	
12:30-12:45	Geometrical selection of GaN nanowires grown by PAMBE on polycrystalline ZrN substrates Karol Olszewski (Institute of Physics PAS, Poland)	
12:45-13:00	Electrical properties of GaN nanowires grown on ZrN buffer layers Stanislav Tiagulskiy (Czech Academy of Sciences, Czech Republic)	
13:00-13:15	Chemical bath deposition of semiconductor nanocrystals Ondrej Cernohorský (Czech Academy of Sciences, Czech Republic)	
13:15-13:30	Synthesis and characterization of ZnO/FeGa hybrid nanowires for nano magneto-electromechanical systems (NMEMS) Wiktoria Zajkowska-Pietrzak (Institute of Physics PAS, Poland)	
13:30-13:45	Selective area liquid phase epitaxy of InP on silicon as template for Zn_3P_2 growth Riccardo Brondolin (EPFL, Switzerland)	
13:45-14:00	One-pot biosynthesis of nanostructured materials as a benign and improved electrode material for high-performance asymmetric supercapacitors Ilangoan Rajangam (University of Madras, India)	
10:15-14:00 Chairs	Session S10 - Characterization and Defects in Crystalline Materials Ana Cros Stoestter, Katharina Lorenz	Room 105
10:15-10:45 INVITED TALK	Nucleation layer studies of MOVPE-grown cubic GaN Martin Frentrup (University of Cambridge, UK)	
10:45-11:15 INVITED TALK	Micro-photoluminescence characterization of optical microcavities in doped β -Ga ₂ O ₃ nanowires for temperature sensors Emilio Nogales (Universidad Complutense de Madrid, Spain)	

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11:45-12:15 INVITED TALK	Large negative magnetoresistance in topological insulator candidate CeCuAs ₂ with spin-glass-like behavior Gang Wang (Chinese Academy of Sciences, China)
12:15-12:30	Photoluminescence Carbon Center in the Ultraviolet Range Allows to Distinguish Hexagonal and Rhombohedral Boron Nitride Krzysztof Korona (University of Warsaw, Poland)
12:30-12:45	Automatic detection and characterization of etch pits in KOH etch images of 4H-SiC single crystals using deep learning Georg Holub (Montanuniversität Leoben, Austria)
12:45-13:00	Mapping or residual thermally induced stress in SiC wafers and as grown SiC boules using Laue diffraction Julian Zöcklein (Friedrich-Alexander-Universität Erlangen, Germany)
13:00-13:15	The defect structure of single-crystalline turbine blades studied by combined methods of X-ray diffraction topography and positron annihilation lifetime spectroscopy Jacek Krawczyk (University of Silesia in Katowice, Poland)
13:15-13:30	Suggested scenario explaining the decrease in emergent dislocation density in W-doped diamond Dov Nusimovici (SIMaP/DIAMFAB, France)
13:30-13:45	Laser Floating-zone growth of single-crystal YTiO ₃ Yong Liu (École Polytechnique Fédérale de Lausanne, Switzerland)
13:45-14:00	Crystal orientation quantification in less than 10 seconds Dirk Kok (Malvern Panalytical, UK)
	
10:15-13:45 Chairs	Session S11 - Bulk Crystal Growth Dorota Pawlak, Piotr Piotrowski
10:15-10:45 INVITED TALK	Single crystals and heterostructures for fast-timing scintillators Oleg Sidletskiy (Ensemble ³ , Poland)
10:45-11:00	High-quality single crystals grown by optical floating zone for experiments at large scale research facilities Antonio Vecchione (CNR-SPIN, Italy)
11:00-11:15	Smart growth, from combined crystal growth methods to artificial intelligence management: control of the chemical composition and improvement of single crystal performance Philippe R. Veber (West University Timisoara, Romania)
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11:45-12:00	Bulk Crystal growth of β -Ga ₂ O ₃ from Cold Crucible Akira Yoshikawa (Tohoku University, Japan)
12:00-12:15	Single crystal growth of the potential skyrmion host, GdRu ₂ Si ₂ , by the optical floating zone technique Daniel A. Mayoh (University of Warwick, UK)
12:15-12:30	Czochralski growth and characterization of perovskite-type (Nd,Sr)(Al,Ta)O ₃ single crystals Christo Gugushev (Leibniz-Institut für Kristallzüchtung, Germany)