POSTER SESSION I, MONDAY, JULY 22

POSTER SESSION I, MONDAY, JULY 22

Session S1 - Fundamentals of Crystal Growth and Modeling		S4.06	Epitaxial growth and characterization of (100) oriented Potassium Titanyl Arsenate
S1.01	Numerical modelling of turbulent heat transfer in laboratory Czochralski system model with InGaSn eutectic		(KTiOAsO₄) thin film by Pulsed Laser Deposition Adrien Clavel (Institut Néel, CNRS, France)
S1.02	Andrejs Sabanskis (University of Latvia, Latvia) DFT modeling of the incorporation and diffusion of Ge and Si dopants in (In)GaN	S4.07	Eutectics based on optically active crystals grown by micro-pulling-down method Oleksandra Kryzhanovska (ENSEMBLE ³ , Poland)
51.02	Karol Kawka (Unipress, Poland)	S4.08	\$4.08Study of nonlinear optical crystals: L-nitroarginine perchlorate and L-nitroarginine tetrafluoroborate Ruzan Sukiasyan (Institute of Applied Problems of Physics, NAS of Armenia, Armenia)
S1.03	Experimental and numerical investigation of LiBr crystal growth using the CZ method Krišjanis Kalme (University of Latvia, Latvia)		
S1.04	Computational Fluid Dynamics for determining the interplay between stirring technique and crystal size distribution Michał Kołodziej (Rzeszów University of Technology, Poland)	S4.09	Growth and Improved Properties of Single Crystals α–LiIO ₃ Doped with L-Alanine and Glycine Ruzan Sukiasyan (Institute of Applied Problems of Physics, NAS of Armenia, Armenia)
S1.05	Study of analytical solutions of the Cabrera and Levine equation without considering elastic effects	S4.10	Growth of gradient-doped YAG:Nd crystals by HDC method with double crucible Sergii Nizhankovskyi (Institute for Single Crystals NAS of Ukraine, Ukraine)
S1.06	Oksana Podshyvalova (Kharkiv Aviation Institute, Ukraine) Decomposition and reaction of ammonia in nitride MOVPE condition analyzed	S4.11	Europium doped ZnO-ZnWO₄ eutectic composite for lighting and security applications Monika Tomczyk (ENSEMBLE ³ , Poland)
51.00	by time-of-flight mass spectrometry Shugo Nitta (Nagoya University, Japan)	S4.12	Spectroscopic study of TmF_3 -doped CaF_2 single crystals Maria Poienar (West University of Timisoara, Romania)
Session S3 - Crystals for Energy Production, Saving and Storage		Session S5 - Crystals and Films for Sensors and Detectors	
S3.01	Control over sodium sulfate hydrates formation upon temperature cycling for sustainable thermal energy storage Anne Claude (University of Amsterdam, Netherlands)	\$5.01	Growth of porous GaN for a gate of HEMT-Based Sensor Kamila Nowak (Łukasiewicz Research Network-PORT, Poland)
co.oo		Session S6 - Crystallization for Food and Pharmaceutical Production	
S3.02	Multi-metallic nanolayers boost Cu ₂ ZnSnS ₄ solar cell performance Fang-i Lai (Yuan-Ze University, Taiwan)	S6.01	Temperature-mediated switch of the phase behavior to separate enantiomers of methyl p-tolyl sulfoxide
S3.03	A detailed interfacial analysis of interaction of Li and Na-ions with eutectic composites: for battery application		Markiian Korbetskyy (Rzeszów University of Technology, Poland)
	Sanjit Saha (ENSEMBLE ³ , Poland)	Session S7 - Growth of Nanocrystals	
S3.04	Growth and Investigation of Hexagallate Substrate Crystals for Strain-Engineered Functional Oxide Layers Matthias Bickermann (Leibniz-Institut für Kristallzüchtung, Germany)	S7.01	On the effect of simulated annealing on structural and energetic properties of some silicon nanoparticles: a molecular dynamics survey Lynda Amirouche (USTHB, Algeria)
Session S4 - Crystals for Optics		S7.02	Calibration of surface temperature of thin ZrN buffer layers for GaN nanowire
S4.01	Co-Doping Effects on Anti-Stokes Fluorescence Cooling in Yb:YLF Matthias Bickermann (Leibniz-Institut für Kristallzüchtung, Germany)		growth by plasma-assisted MBE Marta Sobańska (Institute of Physics PAS, Poland)
S4.02	Growth of $(Lu_{1-x}Tb_x)_2O_3$ Single Crystals by Optical Floating Zone for	\$7.03	Chemical bath deposition of semiconductor nanorods in continuous flow reactors: control over the morphology
	Magneto-Optic Applications Aravinthkumar Padmanaban (ENSEMBLE ³ , Poland)		Ondrej Cernohorský (Czech Academy of Science, Czech Republic)
S4.03	Chemical analysis, crystal structure and optical properties of thulium-doped fluoride single crystals Gabriel Buse (West University of Timisoara, Romania)	Session S9 - Bio-crystallization	
		S9.01	Predicting the properties of polytryptophan crystals Łukasz Mioduszewski (Cardinal Stefan Wyszyński University, Poland)
S4.04	Applications of Eutectic materials for wireless communication technology Hamid Reza Darabian (ENSEMBLE ³ , Poland)		
S4.05	Eutectic microspheres, their solidification and properties Katarzyna Sadecka (ENSEMBLE ³ , Poland)		