March 5

09:30	09:45	Low temperature recombination luminescence of $Mg_3Y_2Ge_3O_{12}:Tb^{3+}$	Uldis Rogulis
09:45	10:00	EPR analysis of neutron radiation induced defects in GGG	Jekabs Cirulis
10:00	10:15	Optical properties of transition metal-doped $CaAl_{12}O_{19}$	Pavels Rodionovs
10:15	10:30	Persistently luminescent materials for protein binding	Rihards Ruska
10:30	10:45	Enhancement of ultraviolet persistent luminescence of $Ca_2Al_2SiO_7:Pr^{3+}$ material	Dace Nilova
COFFEE			
11:15	11:30	Determination of fluorine concentration in sol-gel synthesised silica glasses	Madara Leimane
11:30	11:45	The study of Ag^+ center creation in quartz crystals by thermal annealing at 1200°C in O_2 atmosphere from metallic Ag and Au	Anatolijs Truhins
11:45	12:00	Influence of various precursors on activated strontium aluminate synthesized by microwave-assisted hydrothermal method	Katrina Krizmane
12:00	12:15	Evolution of ZnS:Cu nanoparticle morphology during microwave-assisted hydrothermal method	Miļena Dile
BREAK			
13:00	13:15	Third- and higher order nonlinear optical properties of organic materials	Anete Bērziņa
13:15	13:30	Investigations of electrical properties of low molecular weight compounds for applications of thermoelectric hybrid systems	Adriana Mauručaite
13:30	13:45	Investigation of light amplification for new DCM derivatives in the red-infrared region	Marta Liedskalniņa
13:45	14:00	Carbene-metal-amide complex functionalization with sulfonyl to enhance TADF rate	Kitija A Štucere
COFFEE			
14:30	14:45	Research of indacene-tetrone based molecules for applications in ternary organic solar cells	Artūrs Aizstrauts
14:45	15:00	Study of interaction between organic dyes and acids in SU-8 host-guest systems	Sofija Grietēna
15:00	15:15	Carbene-metal-amides in organic light emitting diodes	Elizabete Prauliņa

March 6

09:30	09:45	Laboratory-Scale Methane Pyrolysis Reactor for Hydrogen and Carbon Production	Līga Grīnberga
09:45	10:00	Hydrolysis of aluminum for green hydrogen production - a process close-up	Ainars Knoks
10:00	10:15	Ageing prevention of Li-ion batteries by Al_2O_3 coating	Liga Britala
10:15	10:30	Electrochemical performance of $Na_2FeP_2O_7$/C for aqueous sodium-ion batteries	Inara Nesterova
COFFEE			
11:00	11:15	Characterization of performance of various SERS substrates synthesized with different method	Ciro F. Tipaldi
11:15	11:30	Enhanced isolation of cancer-derived extracellular vesicles using PDMS-free microfluidic device	Janis Cipa
11:30	11:45	Micro and nanostructure fabrication with Focused Ion Beam	Liga Ignatane
11:45	12:00	Development of a biosensor for the detection of carbonic anhydrase IX	Edmunds Zutis
12:00	12:15	Performance improvement of long reach optical access systems using hybrid optical amplifiers	Shreyas Srinivas Rangan
12:15	12:30	Experience with Digilent Analog Discovery 3	Alberts Kristins
BREAK			
13:15	13:30	Reshaping covalent nanowires by exploiting an unexpected plasticity mediated by deformation twinning	Annamarija Trausa
13:30	13:45	Enhancing photoluminescence quantum yield in $CsPbBr_{3-x}Cl_x$ nanoparticles through co-doping with oleylammonium thiocyanate and organic borate additives	Aleksandrs Novikovs
13:45	14:00	Synthesis and investigation of $ReSe_2$ Thin Films Derived from Magnetron Sputtered Re and ReO_x	Kevon Kadiwala
14:00	14:15	Vacuum flash effect on the morphology of a perovskite layer deposited on NiO_x	Igors Kaulachs
COFFEE			
14:45	15:00	Electrical measurements of charge density wave nanomaterials at cryogenic temperatures	Ēriks Dipāns
15:00	15:15	Synthesis of $ZnS/Al_2O_3/TaSe_2$ core/shell nanowires using thin Ta metal film precursor	Luīze Dipāne
15:15	15:30	Investigation of repeatability of silver nanoprisms synthesis	Viktorija Paramonova

March 7

09:30	09:45	EXAFS spectroscopy of high-entropy materials	Alexei Kuzmin
09:45	10:00	Study of nickel oxide lattice dynamics in a wide temperature range using EXAFS spectroscopy	Julija Lukaševiča
10:00	10:15	Substrate-induced structural phase transition in metallic chromium foil	Vitalijs Dimitrijevs
10:15	10:30	Automated X-ray Diffraction Interpretation using Pareto Optimization	Michele Galasso
10:30	10:45	Modeling of hydrogen production on stepped surfaces of SrTiO3 perovskite nanoparticles - ab initio computational study.	Maksim Sokolov
COFFEE			
11:15	11:30	Nano-crystalline powder X-ray diffraction analysis with Debye scattering equation	Reinis Ignatans
11:30	11:45	Chemical insights from crystal orbitals	Andrejs Cesnokovs
11:45	12:00	Ab initio study of electronic structure in $(Ir,Ga)_2O_3$ solid solutions	Jurijs Grecenkovs
12:00	12:15	Fabrication of $Na_{0.5}Bi_{0.5}TiO_3$ thick films by water-based tape-casting method	Arturs Atvars
12:15	12:30	$0.94Na_{0.5}Bi_{0.5-x}TiO_3$-$0.06BaTiO_3$ thick film production by water-based tape-casting method	Gusts Agafonovs