

Nr.	Poster title – Monday 28 th	Author
1	An insight into the luminescent properties and Judd-Ofelt analysis of the Sm ³⁺ doped Ca ₂ LiMg ₂ V ₃ O ₁₂ phosphors	<i>Kennedy S Masilla Moses</i>
2	Chiral tetranuclear {Eu ₂ Ir ₂ } molecules as tunable ratiometric luminescent thermometers	<i>Rzepliela Jan</i>
3	Correlative characterization of nanocrystals by hard X-ray nanoprobe: local chemical composition and optical dynamics	<i>Bonino Valentina</i>
4	Development of luminescent K ₂ O-P ₂ O ₅ -WO ₃ -V ₂ O ₅ -Eu ₂ O ₃ glasses and glass-ceramics	<i>Chornii Vitalii</i>
5	Dysprosium(III)–Dicyanidoplatinate(II) Chains for Linking Luminescent Thermometry and Molecular Nanomagnetism	<i>Bonarek Pawel</i>
6	Elucidation of Energy Transfer and Luminescence Quenching In Eu ³⁺ Doped In ₂ O ₃ Thin Film Composition Libraries	<i>Zom Jeffrey</i>
7	Eu ³⁺ - doped Li ₂ ZnSn ₃ O ₈ and Li _{1.6} Zn _{1.6} Sn _{2.8} O ₈ stannate materials prepared via Solid-state methods for luminescent temperature sensors	<i>S. N. Saula Matheus</i>
8	Exciton-like formations in the field of local lattice deformation by sodium impurity ions in a KCl:Na crystal	<i>Shunkeyev Kuanyshbek, Aizhan Tilep</i>
9	Exploring Stretched-Exponential Decay in LuAG:Pr,Sc single-crystalline films	<i>Lalinsky Ondrej</i>
10	Fluorescent Nanodiamonds as Quantum Biosensors	<i>Su Jia</i>
11	Growth of GGAG:Ce,Mg in oxygen overpressure by laser-diode floating zone method	<i>Zajíc František</i>
12	Heterometallic coordination frameworks based on dicyanidoaurates exhibiting rich luminescent response to temperature variation	<i>Boidachenko Kseniia</i>
13	Luminescence and scintillation properties of GSAG:Ce garnet films	<i>Kucera Miroslav</i>
14	Advanced superstructures of nanoparticles in liquid crystal topological defects	<i>Essaoui Lamya</i>
15	Advancing on New Luminescent Material: CYTOP Fiber Empowered using Femtosecond Laser Direct Writing	<i>Que Ruyue</i>
16	Determination of the band alignment between CdSe and CdS from the collective absorption spectrum of core/shell CdSe/CdS nanocrystal	<i>Simonot Damien</i>
17	Full control of the electric and magnetic light-matter interactions through a plasmonic mirror on a near-field tip	<i>Reynier Benoît</i>
18	Importance of High Gas Barrier Layer on Self-Recovery of Photodegraded CsPbBr ₃ Perovskite Nanocrystals	<i>Iso Yoshiki</i>
19	Anisotropic luminescence of β-LiGaO ₂	<i>Trinkler Laima</i>
20	Characterization and modification of UV emitting Ca ₂ Al ₂ SiO ₇ :Pr ³⁺ material	<i>Nilova Dace</i>
21	Concentration quenching of the red emission ascribed to the 1D ₂ -3H ₄ transition in CaYAl ₃ O ₇ :Pr	<i>Hernanadez Zamudio Ruben Alfredo</i>
22	Correlation between the synthesis route and spectroscopic properties in nano and micro-crystalline Yb ³⁺ -doped LuPO ₄	<i>Prokop Kacper Albin</i>
23	Enhancing red upconversion through Ce ³⁺ co-doping in ultrafast synthesis of NaBiF ₄ :Yb,Ho(Er)	<i>Giordano Luidgi</i>
24	Highly luminescent Gd ₂ O ₂ S:Er ³⁺ ,Yb ³⁺ upconversion microcrystals obtained by a time- and energy-saving microwave-assisted solid-state synthesis	<i>Machado Ian</i>
25	Investigating the role of particle aggregation state in phosphor emission brightness	<i>Fond Benoît</i>
26	Applications of tunable AIE-dyes based on furan derivatives	<i>Łupińska Kamila</i>
27	Systematic Investigation of Thermally Activated Delayed Fluorescence emitters via controlling the closeness of intermediate states in fabrication of Organic Light Emitting Diodes	<i>Yadav Nisha</i>
28	Systematic study to choose appropriate materials combination for green hyperfluorescent organic light emitting diodes	<i>Deori Upasana</i>
29	Luminescence based Circular Dichroism	<i>Markovic Obren</i>
30	Ultrafast Spectroscopy on Individual Light-Harvesting Complexes of Rps. acidophila	<i>Wiesneth Stephan</i>
31	AlN – persistent luminescence	<i>Berzina Baiba</i>
32	Development of disilicate-based persistent luminescent thin films	<i>Bonturim Everton</i>
33	Development of persistent luminescence glassy composites by viscous flow sintering	<i>Gomes Fernandes Roger</i>
34	From glow to no-go: Uncovering the true thermal quenching profiles of (persistent) phosphors	<i>Fritz Verena</i>
35	Aluminium nitride based luminescent materials for biomedical applications	<i>Ruska Rihards</i>
36	Catalase-like decomposition of Hydrogen Peroxide by Gadolinium Orthovanadate Nanocrystals	<i>Hubenko Kateryna</i>
37	Core@shell strategy to enhance green up conversion emission of LaAlO ₃ :Er ^{III} ,Yb ^{III} nanoparticles	<i>Pires Ana Maria</i>
38	Comparative study of scintillation properties of (C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ Pb _{0.9} M _{0.1} Br ₄ (M = Fe, Co, Ni, Cu, Zn, Cd, Hg, Sn) single crystals	<i>Yanagida Takayuki</i>
39	Detection of Glucose in Homogeneous Solution and Cells Based on Quantum Dot-to-Fluorescent Protein FRET	<i>Fayad Nour</i>
40	Effect of thermal exposure on the luminescence of lanthanide doped titanium dioxide	<i>Alonso Nicolas</i>
41	Electric field-driven change in structure and luminescent properties of Eu ³⁺ doped (1-x)(Na _{0.5} Bi _{0.5})TiO ₃ -xBaTiO ₃	<i>Han Jaeho</i>
42	Imidazole based Thermally Activated Delayed Fluorescence emitters: correlating photophysical and electrochemical properties with electrochemiluminescence performances.	<i>Alberoni Chiara</i>
43	Incorporation of a Flavin Derivative into Al-based Metal-Organic Frameworks for the Sensing of Nitro-containing Compounds	<i>Vollrath Annette</i>
44	Time- resolved VUV luminescence spectroscopy at PETRA III synchrotron	<i>Oksana Chukova</i>
45	Upconversion Random Lasing in Er ³⁺ /Yb ³⁺ co-doped magnesium-lead-germanate glass powder	<i>Davinson da Silva</i>
46	Computational studies of electronic structure and optical properties of interphases in “KBi(MoO ₄) ₂ crystals - K ₂ O-P ₂ O ₅ -MoO ₃ -Bi ₂ O ₃ glass” glass-ceramics,	<i>Yaroslav Zhydachevskii</i>

Nr.	Poster title – Tuesday 29 th	Author
1	Luminescent behavior of unusual Tb ³⁺ tetrakis carboxylate complexes: high green emission under UVA, UVB and UVC	<i>Assunção Israel</i>
2	Luminescent reversed rib waveguides – a hybrid photonic platform based on sol-gel technology and polymers	<i>Duda Łukasz</i>
3	Luminescent thermometers based on SHG-active magnetic cyanido-bridged frameworks exploring UV-vis light absorption of Nd ³⁺ ions	<i>Zakrzewski Jakub</i>
4	Manganese(2+) ions in the design of multifunctional molecular materials exhibiting humidity-sensitive photoluminescence	<i>Hoffman Aleksander</i>
5	Molecular Design of FR/NIR Emitting Materials for Bioimaging and Utilization of Host-Guest Interactions as a Way of Increasing Fluorescence Intensity	<i>Smolka Rastislav</i>
6	Molecular design of thermally activated delayed fluorescence of phenazine-5,10-diyl-dibenzonitriles	<i>Püschel Dietrich</i>
7	Novel lanthanide compounds based on perfluoro benzoates for luminescent applications	<i>Malvestiti Ivani</i>
8	Novel luminescent low molecular weight gelator with enhanced photoluminescence quantum yield	<i>Mahashaya Rahul</i>
9	On the Optical Properties of the Solid Solution LiBaLa _{1-x} Pr _x WO ₆ with x = 0.0 to 1.0	<i>Pier Tim</i>
10	Performing Single Molecule Spectroscopy on Lanthanide Complexes and Aggregates	<i>Bailey Anna</i>
11	Photoluminescence and radiation-induced luminescence properties of Tb-doped SrF ₂ -Al ₂ O ₃ -B ₂ O ₃ glasses	<i>Kimura Hiromi</i>
12	Polarized spectroscopy of stoichiometric KEu(WO ₄) ₂ crystal	<i>Baillard Amandine</i>
13	Quantitative assessment of GaAs doping at the nanoscale by cathodoluminescence	<i>Collin Stéphane</i>
14	Improved emission properties of Methylammonium Lead Bromide Perovskite films by Bathocuproine Additive for LED devices	<i>Coya Carmen</i>
15	In situ shear flow monitoring using luminescent nanorods for the characterization of ion sweeping on capacitive electrodes	<i>Magermans Lilian</i>
16	Interdependence of structural and compositional parameters on up-converting hafnia nanoparticles	<i>Guichard Xavier</i>
17	MSeO ₄ :Eu ³⁺ - New alkaline earth nanowires	<i>Kuhlmann Natalie</i>
18	Multifunctional photoluminescent nanosystems based on CdTe quantum dots	<i>Costa Pedro</i>
19	New translucent films with improved up conversion yield	<i>De Mattos Elaine</i>
20	Investigation of the Sm ²⁺ site occupation in the perovskite type system MCaCl ₃ (M = K, Rb, Cs)	<i>Fischer Pia</i>
21	Luminescence properties of Cu ₂ O single crystals and epitaxial Cu ₂ O thin films electrodeposited on metallic substrates	<i>Trinkler Laima</i>
22	Luminescent properties of Ba ₂ MgWO ₆ doped with Dy ³⁺	<i>Vu Thi Hong Quan</i>
23	Ni:CGGG single crystal as potential luminescent concentrator emitting in the SWIR range	<i>Caraud Nicolas</i>
24	On the development of core-shell persistent phosphors functionalized with europium β-diketonate complexes	<i>Francisco Leonardo H. C.</i>
25	Quenching mechanisms in Pr, Dy and Yb-doped ZrO ₂	<i>Carrera Peralta Rosalba</i>
26	Systematic change in the luminescent properties of A ₂ SnO ₃ (A = Ca, Sr, and Ba) with doping of Eu, Dy, and Er ions	<i>Lee Kwan Chul</i>
27	Photonic integrated quantum memory in rare-earth doped solids	<i>Liu Chao</i>
28	Site-selective fluorescence and DFT studies of Nd ³⁺ optical centers in BaF ₂ doped crystals suitable for CNOT quantum gate	<i>Vagapova Ekaterina</i>
29	Strain-mediated ion-ion interaction in rare-earth-doped solids	<i>Louchet-Chauvet Anne</i>
30	Spatiotemporal Microscopy of Energy Carrier Transport	<i>Utterback James</i>
31	Mn ⁵⁺ activated A ₅ (VO ₄) ₃ Cl (A = Sr ²⁺ , Ba ²⁺) apatite phosphors for Near-Infrared luminescence thermometry	<i>Mullins Abbi</i>
32	Intimate phosphors mixing: can energy transfers tune persistent luminescence?	<i>Bondi Roberto</i>
33	Multifunctionality of non-equiatomic Lu ₃ O ₉ Al ₂ Ga ₃ O ₁₂ :Ce single crystal: toward hybrid persistent luminescence color converters	<i>Bartosiewicz Karol</i>
34	Nanothermometry based on an ultra-long lifetime from Pr ³⁺ and Na ⁺ doped yttrium tantalate scintillating nanoparticles for nanomedicine advances	<i>Do Prado Labaki Hayra</i>
35	Non-isomeric impurity-induced phosphorescence in carbazole derivatives	<i>Mazarevics Arturs</i>
36	Influence of triplet–triplet annihilation in 6Li-loaded liquid scintillators	<i>Watanabe Akito</i>
37	Luminescence of organic compounds for the detection of nerve agents and its simulants	<i>Bureau Valentin</i>
38	Luminescence properties of non-doped and RE-doped LiF/CaF ₂ (RE = Tb, Dy, and Tm) eutectics	<i>Kawaguchi Noriaki</i>
39	Luminescence quenching in photonic resins for personal printable devices to monitor skin production of vitamin D ₃	<i>Vaz Elaine</i>
40	LumStimAge project: Application of thermally and optically stimulated luminescence imaging in dating and characterisation of heritage objects.	<i>Zink Antoine</i>
41	Multimodal non-contact luminescence cryothermometry aided by oxides doped with Cr ³⁺ and Mn ⁴⁺	<i>Mykhaylyk Vitaliy</i>
42	Near infrared emitting luminescent solar concentrators	<i>Andre Paulo</i>
43	Luminescence Concentration Quenching in Nitrogen-doped Graphene quantum dots	<i>Davinson Da Silva</i>
44	Organic dyes-based 2D layers for energy applications	<i>Maria Zdończyk</i>
45	Synthesis of La _{1-x} Eu _x PO ₄ nanoparticles for quantum optics	<i>Valentin Grand d'Esnon</i>
46	Computational studies of Mn-related defects in YAlO ₃ perovskite crystal	<i>Yaroslav Zhydachevskii</i>

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1	Persistent luminescence nanoparticles for biosensing	<i>Becerro Ana Isabel, Arroyo Encarnación</i>
2	Photon-avalanche-like mechanism in Nd _x Y _{1.00-x} Al ₃ (BO ₃) ₄ particles excited at 1064 nm	<i>Moura Andre</i>
3	Probing the interaction of lanthanide-doped core@multi-shell nanoparticles with surface acoustic waves	<i>D. D. Couto Jr. Odilon</i>
4	Red-emitting lifetime-based luminescence manometer on SrGdAlO ₄ Mn ⁴⁺	<i>Pieprz Mateusz</i>
5	Self-decontaminating surfaces in 3D prints through ultraviolet radiation generated in situ by upconversion nanoparticles	<i>Makiyama Lays</i>
6	Temporal multiplexing based on tuneable terbium-to-quantum dot Förster resonance energy transfer for DNA quantification	<i>Su Ruifang</i>
7	Theoretical simulations and experimental verification of intended thermoluminescence dose response linearity in LiF:Mg,Ti (TLD-100) by postirradiation photon excitation	<i>Oster Leonid</i>
8	Ultra-sensitive, multimodal luminescence pressure sensor based on Cr ³⁺ ions emission	<i>Szymczak Maja</i>
9	Blue-to-UV upconversion of the Pr ³⁺ -Gd ³⁺ couple in inorganic compounds	<i>Förster Tom</i>
10	Crossover thermometry – The relative of classic Boltzmann thermometry	<i>Bendel Benedikt</i>
11	On the intramolecular energy transfer efficiency in Eu ³⁺ chelates	<i>Blois Lucca</i>
12	Theory of Photoinduced Excited State Proton Transfer	<i>Le Dé Brieuc</i>
13	Ultrafast ionization of transparent materials under femtosecond laser irradiation	<i>Bedrane Zeyneb</i>
14	SMART RHESINs—Superparamagnetic Magnetite Architecture Made of Phenolic Resin Hollow Spheres Coated with Eu(III) Containing Silica Nanoparticles for Future Quantitative Magnetic Particle Imaging Applications	<i>Feye Julia</i>
15	Upconverting NaGdF ₄ : Er ³⁺ ,Yb ³⁺ particles as theranostic agent for glioblastoma multiforme	<i>Dos Santos Luiz Fernando</i>
16	Visible and NIR luminescence for nanothermometry with silver sulfide (Ag ₂ S) and oxide nanoparticles	<i>Naillon Thomas</i>
17	Optical imaging and pH-awakening therapy by upconversion nanophotosensitizers	<i>Jun Yuan</i>
18	Optical properties of number of layers controlled two-dimensional perovskites	<i>Naoi Kota</i>
19	Phase transitions of CsPbHal ₃ perovskite nanocrystals in borogermanate glass	<i>Babkina Anastasiia</i>
20	Stable nano-YAG:Ce ³⁺ phosphors for photonic applications	<i>Montanarella Federico</i>
21	Structural characterization of Layered Double Hydroxide (LDH) nanotubes for application in photocatalysis	<i>Teixeira Alexandre</i>
22	Research of polymer matrices toward the fabrication of submicrometric dye-doped films – potential candidates for application as a humidity sensor and for photonics	<i>Duda Łukasz</i>
23	Silica-titania based integrated optic systems for new on-chip sensing devices	<i>Kacper Albin Prokop</i>
24	Squeezing the sun: up-conversion driven photo-electrochemical hydrogen generation via water-splitting	<i>Torres-García Sheila</i>
25	Stimuli-responsive luminescent materials based on tetracyanonitridorhenate(V) complexes	<i>Liberka Michal</i>
26	Synthesis and Characterization of Terbium doped Sodium Barium Bismuth Phosphate for WLEDs Applications	<i>Kennedy S Masilla Moses</i>
27	Synthesis and photostability study of unusual [Eu(b-dkt) ₂ (PIB ₄ CH ₃) ₂] complexes	<i>Silva Rodolpho</i>
28	Synthesis of superparamagnetic and ultra-high luminescent nanostructured composites via solid state reaction for application in non-destructive testing (NDT)	<i>Sihn Luca Michael</i>
29	Synthesis, structure and luminescent properties of the K ₃ Tb(PO ₄) ₂ crystals	<i>Nedilko Serhii</i>
30	The route to obtaining high-quality photonic structures using a photolithography process and negative tone resist	<i>PawłóW Jakub</i>
31	Tuning of luminescence properties and proton conductivity by external stimuli in porous GdCr coordination polymer	<i>Heczko Michał</i>
32	Ultrathin non-doped thermally activated delayed fluorescence emitting layer for highly efficient OLEDs	<i>Nanda Gyana</i>
33	X-ray excited optical luminescence at Carnaúba, the Sirius X-ray nanoprobe beamline	<i>Teixeira Verônica</i>
34	Influence of co-dopants on the persistent luminescence of CaYGaO ₄ :Eu ²⁺	<i>Kaaroud Khadija</i>
35	Persistent Luminescence in Garnet Single Crystals	<i>Viana Bruno</i>
36	Rare earth – diamond hybrid structures for optical quantum technologies	<i>María Arranz, Ionut Balasa, Pauline Perrin</i>
37	X-ray activated UV-A long persistent luminescence of Ce ³⁺ doped Sr ₃ MgSi ₂ O ₈ material	<i>Doke Guna</i>
38	Temperature dependent photoluminescence characteristics of MBE grown Eu doped ZnMgO thin films	<i>Mathew Juby Alphonsa</i>
39	The energy-transfer analysis of nano/micro-crystalline YPO ₄ co-doped with Yb ³⁺ and Nd ³⁺ ions	<i>PawłóW Jakub</i>
40	The Tm ³⁺ ions heavy doping effect on Vis-to-UV up-conversion emission of Pr ³⁺ -based β-NaYF ₄ and LiYF ₄ NPs	<i>Fałat Patryk</i>
41	Ti ³⁺ lifetime based luminescent thermometry in LnAlO ₃ (Ln = La ³⁺ , Gd ³⁺ , Lu ³⁺)	<i>Piotrowski Wojciech</i>
42	Comparative studies of structural and spectroscopic properties of cubic Nd ³⁺ -doped M ₃ Y(PO ₄) ₃ (M = Sr ²⁺ or Ba ²⁺) from eulytite family	<i>Kacper Albin Prokop</i>
43	Visible and NIR emission in Yb and Y doped CaSnO ₃	<i>Padilla-Rosales Isela</i>
44	X-Ray induced Persistent Luminescence in Rare Earth-doped Strontium Sulfide materials: investigating structural defects and mechanisms	<i>Fonseca Karina Torre</i>
45	Bayesian statistics for multimodal problems applied to emission spectra broadening of a single core/shell CdSe/CdS nanocrystal.	<i>Simonot Damien</i>
46	CVD Er:Y ₂ O ₃ thin films for on-chip quantum technologies	<i>Anna Blin</i>