CONFERENCE PROGRAM

The 6th International Conference on the Physics of Optical Materials and Devices
AND
The 5th International Workshop of Persistent and Photostimulable Phosphors (IWPPP-5)

August 29th to September 2nd, 2022
Belgrade, Serbia

Sunday, August 28th, 2022	
Hotel Falkensteiner (Lobby)	
16.00-20.00	**Registration (Lobby)**

Monday, August 29th, 2022		
Hotel Falkensteiner (Main conference room)		
8.00-16.00	**Registration (Lobby)**	
9.30-10.00 **10.00-10.10**	**Meet and Greet** **Opening Ceremony**	
Session 1: 10.10-11.00 *Light for sensing* *Session chairs: Xiaogang Liu, Andries Meijerink*		
10.10-10.35	Invited lecture 1 Claudia Wickleder ***Luminescence of mixed valence materials - essentially unexplored.***	
10.35-11.00	Invited lecture 2 Stephen Rand ***Laser cooling of sapphire on an electric-dipole transition***	
11.00-11.30	**Coffee Break**	
Parallel sessions 2 (Conference room A) and 3 (Conference room B): 11.30-13.00 **2 *Luminescence of Crystals*** *(Chairs: M. Brik, M. Piasecki)* **3 *Thin Films and Composites*** *(Chairs: G. Lozano, M. Wickleder)*		
11:30-11.45	Oral lecture 1 Milan Lalic ***New ferroelectric photovoltaic devices: the origin of a large difference in power conversion efficiency between the hexagonal manganites and ferrites***	Oral lecture 6 Jeremy Cathalan ***Development of rare earth-free aluminium borate-based phosphors and composite films***
11.45-12.00	Oral lecture 2 Hong Zhang ***New possibilities***	Oral lecture 7 Luiz Jacobsohn ***$MgAl_2O_4$ AND***

	of phorsphor from a nano perspective	***$ZnAl_2O_4$: microstructure, defects and luminescence***
12.00-12.15	Oral lecture 3 Andrei Racu ***Erbium doped materials and correlation of photoluminescence, structure and symmetry***	Oral lecture 8 Yaroslav Zhydachevskyy (Andrzej Suchocki) ***Chemical tuning of Mn^{4+} photoluminescence in Ga_2O_3 Al_2O_3 alloys***
12.15-12.30	Oral lecture 4 Kei Kamada ***Development of novel eutectic scintillators for thermal neutron detections and their material design***	Oral lecture 9 Peng Feng ***Investigation on effect of trap on afterglow process in long wavelength PersL $SrMgGe_2O_6$: Mn^{2+}, Sm^{3+}***
12.30-12.45	Oral lecture 5 Rei Sasaki ***Crucible free growth and scintillation properties of β-Ga_2O_3 single crystals***	
12.45-15.00	**Break**	
Session 4 (Main conference room): 15.00-17.35 ***Exploring luminescent Systems*** *Session chairs: Željka Antić, Stephen Rand*		
15.00-15.45	Plenary lecture 1 Xiaogang Liu ***Luminescent nanoparticles: a wonderful toolbox for assistive technologies.***	
15.45-16.10	Invited lecture 3 Gabriel Lozano ***Nanophosphor-based Photonic Materials provide fine control over the emission properties of rare-earth nanocrystals***	
16.10-16.30	**Coffee Break**	
16.30-17.15	Plenary lecture 2 Andries Meijerink ***Non-radiative transitions: our dark foe…and friend***	
17.15-17.40	Invited lecture 4 Matias Wickleder ***Divalent lanthanide triflates***	

17.40-17.55	Oral lecture 10 Carlos Brites ***Taking advantage of trivalent lanthanide ions for reprogrammable and reconfigurable photonic molecular logic gates***
17:55	**Break**
19.30-21.30	**Welcome Party at Restaurant and Bar "AMSTERDAM" ADDRESS: KEJ OSLOBODJENJA BB, BELGRADE**

Tuesday, August 30th, 2022	
Hotel Falkensteiner	
8.00-16.00	**Registration (Main conference room)**
Session 5 (Main conference room):9.00-11.00 ***Persistent Luminescence Materials*** *Session chairs: Bruno Viana, Mathieu Allix*	
9.00-9.45	Plenary lecture 3 Setsuhisa Tanabe ***Traps for persistence or/and photochromism; can they be AND?***
9.45-10.20	Keynote lecture 1 Wei Chen ***Persistent Luminescence nanophosphors for Photodynamic activation and Anti-counterfeiting Application***
10.20-10.45	Invited lecture 5 David van der Heggen ***Metastable states in persistent phosphors: A spectroscopic game of hide-and-seek***
10.45-11.00	Oral lecture 11 Verena Fritz ***Lost in the heat of the moment: bringing losses in persistent phosphors to light with a set of thermoluminescence measurements***
11.00-11.30	**Coffee Break**
Session 6 (Main conference room):11.30-13.05 ***Persistent Luminescence Mechanisms*** *Session chairs: Setsuhisa Tanabe, Thomas Justel*	

11.30-12.05	Keynote lecture 2 Philippe Smet ***Moving persistent phosphors beyond afterglow: A platform for sensing***
12.05-12.40	Keynote lecture 3 Pieter Dorenbos ***Bismuth for luminescence and charge carrier storage in inorganic compounds***
12.40-13.05	Invited lecture 6 Stephane Jobic ***Can theoritical calculations meet experiments and explain luminescence properties?***
13.05-15.00	**Break**
Session 7 (Main conference room): 15.00-17.10 ***Tools and Applications of Persistent Phosphors*** *Session chairs:Philippe Smet, Bernhard Walfort*	
15.00-15.25	Invited lecture 7 Farida Selim ***Advanced cryogenic thermally stimulated emission spectroscopy-A new tool for assessing optical materials***
15.25-15.50	Invited lecture 8 Lucas Rodrigues ***Coupling persistent luminescence materials for increased applicability: thin films and upconversion energy transfer***
15.50-16.15	Invited lecture 9 Victor Castaing ***Transparent persistent luminescence films: from design to glowing perspectives***
16.15-16.40	Invited lecture 10 Teresa Delgado ***Multi-band persistent luminescence emission in garnet crystals (YAGG) and garnet nanoparticles with magnetic responses (GAGG)***
16.40-16.55	Oral lecture 12 Sergey Fateev ***All dimensions within sole cation: structure and optical properties of low-dimensional halide perovskites with formamidinium***
16.55-17.10	Oral lecture 13 Songsong Ding ***Strategies For Designing Ultra-Broadband Near-Infrared Long Persistent Luminescent Materials***
17.10-17.30	**Coffee Break**
17.30-19.30	**POSTER SESSION & CONFERENCE PHOTO** **Conference rooms 1st floor**

Wednesday, August 31st, 2022	
Hotel Falkensteiner	
8.00-10.00	**Registration (Main conference room)**
Session 8 (Main conference room): 9.00-10.50 ***Design of Optical Thermometers*** *Session chairs: Daniel Jaque, Lukasz Marciniak*	
9.00-9.45	Plenary lecture 4 Luis Carlos ***Luminescent thermometers as new toys in the block. All you need is light.***
9.45-10.10	Invited lecture 11 Helene Brault ***Luminescence thermometry of Eu-Tb mixed metal-organic frameworks: some ways to tune the thermometric performances***
10.10-10.35	Invited lecture 12 Aleksandar Ciric ***LumTHools - software for analysis of phosphors' luminescence temperature dependence***
10.35-10.50	Oral lecture 14 Abbi Mullins ***Dual-emission luminescence thermometry using $LaGaO_3:Cr^{3+}$, Nd^{3+} phosphors***
10.50-11.30	**Coffee Break**
Session 9 (Main conference room):11.30-12.25 ***Phosphors for bio-applications*** *Session chairs: Corinne Chaneac, Wei Chen*	
11.30-11.55	Invited lecture 13 Angel Millan ***A new technology for real-time intracellular temperature imaging and monitoring. Application to local magnetic hyperthermia therapy***
11.55-12.10	Oral Lecture 15 Cyrille Richard ***Coating ZGO nanoparticles for in vivo imaging***
12.10-12.25	Oral Lecture 16 Ivan Mukhin ***Flexible optoelectronic devices based on III-V nanowires encapsulated into polymer matrix***
12.25-15.00	**Break**
Session 10 (Main conference room):15.00-16.30 ***New Optical Phenomena***	

Session chairs: Stephane Jobic, Pieter Dorenbos	
15.00-15.25	Invited lecture 14 Diana Serrano ***Rare-earth molecular crystals for photonic quantum technologies***
15.25-15.50	Invited lecture 15 Amina Bensalah-Ledoux ***Polarization control in chirowaveguides: towards integrated chiral sensors***
15.50-16.15	Invited lecture 16 Michal Piasecki ***Mid-Infrared Luminescent Materials: Overview and Structure−Property Relationship***
16.15-16.30	Oral Lecture 17 Dimitrije Mara ***Lanthanide MOFs linear and nonlinear optical properties***
16.30	**Break**
19.00-22.00	**BOAT CRUISE AND CONFERENCE DINNER PARTY (Boarding at 18.45, Jahting klub "Kej", Ušće, Beograd)**

Thursday, September 1st, 2022	
Hotel Falkensteiner	
8.00-10.00	**Registration (Main conference room)**
Session 11 (Main conference room):9.00-11.00 ***Optical Thermometry*** *Session chairs: Helene Brault, Luis Carlos*	
9.00-9.45	Plenary lecture 5 Daniel Jaque ***The future of brain thermometry: the era of nano***
9.45-10.20	Keynote lecture 4 Markus Suta ***Can we control luminescent thermometers? - From the application to a fundamental understanding of non-radiative rates***
10.20-10.45	Invited lecture 17 Corinne Chaneac ***Optimization of doped spinel oxides and silver sulfide for optical***

	imaging and temperature sensing. Some examples of temperature measurements	
10.45-11.00	Oral lecture 18 Thimo Jacobs ***Nanoscale Sensing of Temperature during Catalytic Reactions in a Broad Temperature Range***	
11.00-11.30	**Coffee Break**	
Session 12 (Main conference room):11.30-13.00 ***Applications of Lanthanides' Emissions*** *Session chairs: Diana Serrano, Claudia Wickleder*		
11.30-12.05	Keynote lecture 5 Lukasz Marciniak ***New strategies of enhancing the performance of lanthanide based luminescence thermometers***	
12.05-12.30	Invited lecture 18 Alessandra Toncelli ***Lanthanide Ions: from Visible to Mid-Infrared Emission***	
12.30-12.45	Oral lecture 19 Matthias Adlung ***Unrevealing the optical properties of Dy^{2+} and Ho^{2+} doped in different halide host lattices***	
12.45-13.00	Oral lecture 20 Takahiko Horiai ***Crystal Growth of Ce-doped (Gd,Y)ScO_3 Scintillators by Micro-Pulling-Down Method and Their Optical Properties***	
13.00-15.00	**Break**	
Parallel session 13 (Conference room A) and 14 (Conference room B): 15.00-16.30 **13 *Thermometry*** *(Session chair: Zeljka Antic*) **14 *Glasses and Crystals*** *(Session chair: Teresa Delgado)*		
15.00-15.15	Oral lecture Vitaliy Shkoldin ***STM nanolithography of hybrid structures for tunnel junction based localized optical sources***	Oral lecture 27 Akira Yoshikawa ***Bulk crystal growth of Ce:GAGG and Ce:La-GPS single crystal from the melt using precious metal crucible-free OCCC Method***
15.15-15.30	Oral lecture 21 Jur de Wit ***Temperature-dependent Photoluminescence***	Oral lecture 28 Aytaç Gürhan Gokçe E***uropium doped bismuth borate***

	Saturation Effects in K_2SiF_4: Mn^{4+}	***glasses: from structure to luminescence properties***
15.30-15.45	Oral lecture 22 Karolina Elzbieciak -Piecka ***$GdAl_3(BO_3)_4$:Cr^{3+} for light-induced heat generation***	Oral lecture 29 Ryuga Yajima ***Growth and scintillation properties of a novel K_2CeCl_5/LiCl eutectic for thermal neutron detection***
15.45-16.00	Oral lecture 23 Thomas P. van Swieten ***Enormous photonic artefacts in luminescence nanothermometry***	Oral lecture 30 Yuui Yokota ***Growth of $La_2Zr_2O_7$ and $La_2Hf_2O_7$ Single Crystals with High Melting Point by Novel Growth Method and their Luminescent Properties***
16.00-16.15	Oral lecture 24 Julijana Cvjetinovic ***Optical properties of diatom algae: research methods and potential applications***	Oral lecture 31 Leonid Oster ***Improved linearity of dose response in the thermoluminescence of gamma irradiated LiF:Mg,Ti (TLD-100) following optical excitation***
16.15-16.30	Oral lecture 25 Dmitry Sovyk ***Opal-like photonic structures made of single crystal diamond***	Oral lecture 32 Melis Gökçe ***Optical properties of Sm^{3+} ions doped bismuth germanate glasses for photonic applications***
16.30-16.45	Oral lecture 26 Kirill Boldyrev ***High-resolution luminescent studies of $LiYF_4$:Ho for sensor applications***	Oral lecture 33 Vitezslav Jary ***Optical properties of InGaN epitaxial layers doped by Si and Ge***

Friday, September 2nd, 2022	
Hotel Falkensteiner	
8.00-10.00	**Registration (Main conference room)**
Session 15 (Main conference room): 9.00-12.55 ***Tuning Optical Properties*** *Session chairs: Alessandra Toncelli, Markus Suta,*	
9.00-9.35	Keynote lecture 6 Mikhail Brik ***Crystal field and first-principles calculations of optical properties of the Mn^{4+}-doped phosphors***
9.35-10.00	Invited lecture 19 Andrzej Suchocki ***Lumimescence of d5 transition-metal ions under high-pressures***
10.00-10.15	Oral lecture 34 Deniz Koçyiğit ***Effect of silver (Ag) nanoparticles on the luminescence properties of Dy^{3+} ions in borate glasses for solid state lighting applications***
10.15-10.30	Oral lecture 35 Arnoldus J. van Bunningen ***Thermal Luminescence quenching in Mn^{2+}***
10.30-11.00	**Coffee Break**
11.00-11.35	Keynote lecture 7 Aleksandra Djurisic (ONLINE) ***Quasi-2D halide perovskite light emitting materials and devices***
11.35-12.00	Invited lecture 20 Ivana Evans ***Inorganic phosphors: structural characterisation across the length scales***
12.00-12.15	Oral lecture 36 Dasheng Lu ***Thermoresponsive polymeric nanolenses magnify the thermal sensitivity of single upconverting nanoparticles***
12.15-12.30	Oral lecture 37 Mykhailo Chaika ***On the time dependence of white emission intensity and the temperature of transparent Cr-doped YAG ceramics***
12.30-12.45	Oral lecture 38 Linda Dalipi ***2D luminescence thermometry using dual low power LED excitation and single-band emission***
12.45-13.15	**Closing Ceremony**

POSTER PRESENTATIONS:

P1. Bernhard Walfort
Fundamental Loading-Curve Characteristics of the Persistent Phosphor $SrAl_2O_4:Eu^{2+},Dy^{3+},B^{3+}$

P2. Kyoung Jin Kim
A novel ternary eutectic of $CeCl_3/LiCl/CaCl_2$ as a thermal neutron scintillator

P3. Ondřej Lalinsky
Accelerated cathodoluminescence response of YAP:Ce,Mg single-crystalline films

P4. Blagovest Napoleonov
ALD DEPOSITED ZnO:AL FILMS ON RIGID AND FLEXIBLE SUBSTRATES FOR ORGANIC/INORGANIC HYBRID STRUCTURES

P5. Dragana Tošić
Anthocyanins from aronia powder as pH-responsive sensors

P6. Sergei Cherevkov
APPLICATION OF AMPHIPHILIC CARBON DOTS FOR POTENTIAL IMPROVEMENT OF LIGHT HARVESTING IN OPTOELECTRONIC DEVICES

P7. Simona Premcheska
BIOCOMPATIBLE UPCONVERTING Yb^{3+}-Er^{3+} CO-DOPED INORGANIC Na_3ZrF_7 NANOPARTICLES AND HYBRID PMO@Na_3ZrF_7 AND PMO@$NaYF_4$ NANOPARTICLES FOR TEMPERATURE SENSING IN THE PHYSIOLOGICAL RANGE

P8. Ivana Vukoje
CHARGE TRANSFER COMPLEX FORMATION BETWEEN SILVER NANOPARTICLES AND AROMATIC AMINO ACIDS: EXPERIMENTAL AND DFT STUDY

P9. Hiroki Kawamoto
Composition dependence of recombination behavior of electrons and holes at high temperature in Ag-doped phosphate glasses

P10. Bruno Viana
Control of defects and applications of persistent luminescence materials at various sizes

P11. Kyoung Jin Kim
Crystal growth and scintillation properties of Mo co-doped Ce:$Gd_3Al_2Ga_3O_{12}$ single crystal scintillators

P12. Masanori Koshimizu
Development of Ce-doped GAGG nanoparticle scintillators using sol–gel method

P13. Renaud Valois
Development of new transparent ceramics for laser applications in the 1.7 – 2.7 μm window

P14. Atsushi Sato
Development of plastic scintillators doped with silole-based aggregation-induced-emission phosphors for light yield improvement

P15. Masanori Koshimizu
Development of thermoluminescent Li_2CaSiO_4:Tm ceramics for neutron detection

P16. Abbi Mullins
Dual-emission luminescence thermometry using $LaGaO_3$:TM^{3+}, Ln^{3+} phosphors

P17. Milica Perić
EFFECT OF THE LEVEL DEGENERACY ON KERR NONLINEARITY IN THREE-LEVEL LADDER-TYPE SYSTEM

P18. Keleshek B. Zhangylyssov
Electron-hole trapping centers in alkaline earth metal sulfates with Mn impurity

P19. Mateusz Pieprz
ENHANCEMENT OF Nd^{3+} EMISSION THROUGH $Cr^{3+}\rightarrow Nd^{3+}$ ENERGY TRANSFER IN $La_3Ga_5GeO_{14}$: Nd^{3+}, Cr^{3+}

P20. Luidgi Giordano

Enhancement of red upconversion in $NaBiF_4$:Yb,Er(Ho) by Ce^{3+} co-doping

P21. Vesna Lazic
EPR STUDY OF CHARGE TRANSFER COMPLEX BETWEEN TIO_2 AND NON-AROMATIC LIGAND SQUARIC ACID

P22. Andrei Racu
EVALUATION OF SITE SYMMETRIES OF Er^{3+} DOPED CaF_2 AND BaF_2 CRYSTALS BY HIGH RESOLUTION PHOTOLUMINESCENCE SPECTROSCOPY

P23. Nevena Celic
FABRICATION OF ZnO/SnO_2 NANOCOMPOSITES FOR EFFICIENT WATER REUSE

P24. Zeljka Nikitovic
FOUR WAVE MIXING (FWM) IN ALKALI ATOM VAPORS

P25. Naomoto Hayashi
Growth of Er-doped $La_2Hf_2O_7$ Single Crystal by Micro-Pulling-Down Method and Optical Properties

P26. Jelena Pajovic
Hybrid metal nanostructures as photodynamic therapy agents: the case of riboflavin-functionalized gold nanoparticles

P27. Nando Gartmann
Indications for Local processes in $SrAl_2O_4$:Eu^{2+}, Dy^{3+}: Fitting of the Luminescence Decay

P28. Vadim Yu. Zhmykhov
JUDD-OFELT PARAMETERS OF SINGLE CRYSTALS OF THE BaF_2 - SrF_2 - ErF_3 SOLID SOLUTIONS

P29. João Gonçalves
LASER-INDUCED PHOTOCATALYTIC HYDROGEN PRODUCTION OF $La_{0.25}Nd_{0.75}AlO_3$ IN METHANOL

P30. Verena Fritz
Lost in the heat of the moment: bringing losses in persistent phosphors to light with a set of thermoluminescence measurements

P31. Jovana Periša
$MgAl_2O_4:Cr^{3+}$ probe for luminescene thermometry in the physiological temperatures range

P32. Katarina Milenkovic
ENHANCEMENT OF Eu^{3+} EMISSION INTENSITY IN $LaPO_4$/Ag NANOPARTICLES

P33. Bojana Milicevic
HYDROTHERMAL SYNTHESIS AND PROPERTIES OF Yb^{3+}/Tm^{3+} DOPED Sr_2LaF_7 UPCONVERSION NANOPARTICLES

P34. Sanja Kuzman
Multiple temperature readings from $Ca_6Ba(PO_4)_4O:Mn^{5+}$ steady-state near-infrared emission in a physiological temperature range

P35. Nikola Cichocka
MICROWAVE DRIVEN HYDROTHERMAL GROWTH OF Eu^{3+}/Ce^{3+} DOPED $Y_3Al_5O_{12}$ NANOPOWDERS - OPTICAL AND STRUCTURAL CHARACTERIZATION

P36. Anastasiia Babkina
Mn^{4+}/Mn^{2+} conversion in alkali-zinc-germanate glass-ceramics

P37. Alexandra Nicolae-Maranciuc
NANOPARTICLES SIZE DISTRIBUTION ASSESSMENT BY DIRECT OPTICAL PARTICLE TRACKING

P38. Kirill N. Boldyrev
X-RAY AS A METHOD FOR MANIPULATION OF COLOR CENTERS
CHARGE STATE IN DIAMONDS

P39. Mirijam Lederer
Novel thermal decomposition syntheses route of Ln^{3+}-doped LaF_3

P40. Akito Watanabe
Optical and scintillation properties of a tetraphenylethylene crystal exhibiting aggregation-induced emission

P41. Teresa Delgado

PERSISTENT LUMINESCENCE NANOPARTICLES FOR BIMODAL BIOIMAGING IN THE NIR-I / II TRANSPARENCY WINDOW

P42. Celina Matuszewska
PERSISTENT LUMINESCENCE OF UNDOPED ZINC GALLOGERMANATES

P43. Jelena Papan Djaniš
HIGHLY STABILE MAGNETO-FLUORESCENT COLLOID BASED ON BARIUM HEXAFERRITE NANOPLATELETS WITH POLYPHENOL COATING

P44. Vesna Đorđević
PHOTOLUMINESCENT PROPERTIES OF THE Eu^{3+} ION IN $YNbO_4$-$LuNbO_4$ SOLID SOLUTION

P45. Mina Medić
DUAL-ACTIVATED LUMINESCENCE INTENSITY RATIO THERMOMETRY IN $Y_3Al_5O_{12}$ NANOCRYSTALS

P46. Tamara Gavrilovic
THERMAL HISTORY MEASUREMENTS USING THE RATIO OF $^5D_0 \rightarrow {}^7F_1$ AND $^5D_0 \rightarrow {}^7F_2$ Eu^{3+} EMISSIONS

P47. Milena Simić
Population Control of the Five-Level V-System by the Laser Interaction

P48. Guna Doke
RED AND NIR PERSISTENT LUMINESCENCE OF MAGNESIUM GERMANATE BASED MATERIALS

P49. Karina Fonseca
Red persistent luminescent nanofibers: a flexible and water-stable composite prepared by electrospinning

P50. Aleksandr Litvin
ROOM TEMPERATURE DOPING OF PEROVSKITE NANOCRYSTALS AND NANOPLATELETS WITH NIR-EMITTING LANTHANIDE IONS

P51. Danijela Danilovic

Silver bismuth iodide rudorffites as potential lead-free hybrid photovoltaic materials

P52. Nina Kozlova
SPECTROPHOTOMETRIC TECHNIQUES FOR STUDYING THE PROPERTIES OF OPTICAL MATERIALS

P53. Aleksandra Strinic
Stability of necklace beams in media with cubic-quintic nonlinearity

P54. Elena Dobretsova
STRUCTURAL FEATURES OF THE BIXBYITE-TYPE YTTRIUM SCANDATE: X-RAY POWDER DIFFRACTION AND MICRO-RAMAN SPECTROSCOPY

P55. Daria Belikova
STRUCTURE, OPTICAL AND SCINTILLATION PROPERTIES OF HYBRID BROMOCUPRATES (I) BASED ON METHYLAMMONIUM AND FORMAMIDINIUM CATIONS

P56. Radoš Raonić
SYNTHESIS AND CHARACTERIZATION OF (Y,Me)NbO_4:Er,Yb PHOSPHORS: INFLUENCE OF LOCAL LATTICE DISORDERS

P57. Maja Szymczak
SYNTHESIS AND SPECTROSCOPIC PROPERTIES OF Cr^{3+} IONS DOPED $Li_2Mg_3TiO_6$ NANOCRYSTALS

P58. Kuanyshbek Shunkeyev
The effect of instability of KCl:Na single crystals

P59. Luis Andrade
SINTHESIS AND CHARACTERIZATION OF Tb^{3+} INCORPORED AT Ag@PVP AND Tri-Ag-Citrate NANOPARTICLES

P60. Luis Andrade
Synthesis with plant extract of Tb^{3+} -doped $CaMoO_4$ nanocrystals for luminescent thermometric sensor

P61. Luis Andrade

THE INFLUENCE OF REABSORPTION EFFECT ON THE FIR HERMOMETRIC PARAMETERS IN Nd^{3+}- DOPED LITHIUM TELLURITE GLASSES

P62. D. Petrova
THE PHOTOLUMINESCENT AND ELECTRICAL PROPERTIES OF Al-DOPED ZnO THIN FILMS

P63. Douglas Fritzen
Transparent Films Featuring Persistent Luminescence

P64. Yannick GUYOT
VISIBLE AND MID-INFRARED EMISSION PROPERTIES OF Pr^{3+} AND Tm^{3+} DOPED BGO SINGLE CRYSTAL FIBERS

P65. Maria Batista
Zinc gallogermanate nanoparticles produced by pulsed laser ablation in liquid media aiming biomedical applications

P66. Julian Weiss
First spectroscopic investigation of $M(AlCl_4)_2:Sm^{2+}$ (M = Ca, Sr, Ba) – Influence of the local site symmetry on the luminescence of Sm^{2+}

P67. Fazlizhanov I.I.
CRYSTAL FIELD EFFECTS ON MN IONS IN DOUBLE PEROVSKITE Sr_2MnTiO_6

P68. Rushana Eremina
The CW EPR and pulsed EPR studies of the $^{51}V^{4+}$ ions in $Sc_2{}^{28}SiO_5$

P69. J. Mitrić
STRUCTURAL PROPERTIES OF FEMTOSECOND LASER IRRADIATION INDUCED BISMUTH OXIDE BASED NANO – OBJECTS IN $Bi_{12}SiO_{20}$ (BSO) SINGLE CRYSTAL

P70. Niko Flosbach
HIGH PRESSURE SYNTHESIS OF PRASEODYMIUM SILICATES

P71. K. Maciejewska

Multifunctional $NaYF_4:Nd^{3+}$, Cr^{3+} nanoparticles for luminescence thermometry and optical heating applications

P72. Leonnam G. Merízio
Low-temperature sintering of persistent luminescent glassy composites.

The 6th International Conference on the Physics of Optical Materials and Devices
AND
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