

Abstract Title			Category	Code	Date/Time
Name	Institution/Affiliation	Abstract Title			
Ben L. Feringa	Univ. Groningen (Netherlands)	Light for Motion	Plenary	PL1	Monday 13th Oct, am
Nazario Martín	Universidad Complutense de Madrid (Spain)	Facing the Energy Challenge: Perovskite Solar Cells		PL2	Monday 13th Oct, am
Laura Lechuga	ICN2, Catalonia (Spain)	Ultrasensitive, Multiplexed Nanophotonic Biosensors for Next-Generation Point-of-Care Applications		PL3	Monday 13th Oct, pm
Xiaogang Liu	National Univ. Singapur (Singapur)	Nanocrystals at Work: Unlocking the Power of Lanthanide Doping		PL4	Tuesday 14th Oct, am
Rebecca Abergel	University of California -LBNL- Berkeley (USA)	Coordination Control, Light Sensitization, and Radiation Targeted Delivery in Actinide Molecular Systems		PL5	Tuesday 14th Oct, pm
Jennifer Dionne	Univ. Stanford (USA)	Exploring light and life: Nanophotonics for scalable molecular sensing and sequencing		PL6	Wed 15th Oct, am
Luisa de Cola	University of Milano (Italy)	Seeing, understanding and detecting with light		PL7	Wed 15th Oct, pm
Philippe Goldner	CNRS - PSL University (France)	Rare Earth Doped Crystals for Integrated Quantum Photonics		PL8	Friday 17th Oct, am
Cherie R. Kagan	University of Pennsylvania (USA)	Colloidal Nanocrystal Materials and Optical Devices with Extraordinary Structures and Functions		PL9	Friday 17th Oct, am
Luis D. Carlos	Univ. Aveiro (Portugal)	Water's hidden density dance: from charged interfaces to protein dynamics		PL10	Friday 17th Oct, am
Marta M. Natlie	National Research Council (Italy)	Exploring the rational design of upconverting nanocrystals through experimental and theoretical synergies	Keynote - Bio	KNB1	Monday 13th Oct, am
Andrea de Camargo	University of Jena / BAM (Germany)	Upconversion nanoparticles for chemical, physical and biological sensing: from functionalization to point-of-care devices		KNB2	Monday 13th Oct, pm
Gary Wong Ka-Leung	The Hong Kong Polytechnic University	Theranostic agents achieving PET-MRI fusion and photodynamic therapy		KNB3	Tuesday 14th Oct, am
Daniel Jaque	Univ. Autónoma Madrid (Spain)	So far, so good: NIR imaging and sensing		KNB4	Tuesday 14th Oct, pm
Carlos Flores	ITER - Tenerife (Spain)	Enabling large-scale genomics for precision medicine		KNB5	Tuesday 14th Oct, pm
Bruno Viana	CNRS - PSL University (France)	Persistent luminescence nanoparticles for biosensors and bioimaging		KNB6	Wed 15th Oct, am
Mónica Lira Cantó	ICN2, Catalonia (Spain)	Perovskite Solar Cells: Novel Nanomaterials for High Stability	Keynote - Energy/others	KNE1	Monday 13th Oct, am
Emilio Palomares	ICIQ, Catalonia (Spain)	The Chemistry of Small Molecules for Energy Applications		KNE2	Monday 13th Oct, pm
Andries Meijerink	Utrecht University (Netherlands)	Photonic Effects in Luminescence Spectroscopy		KNE3	Tuesday 14th Oct, am
Gabriella Tessitore	Université de Laval (Quebec City, Canada)	Charge carriers dynamics in quantum dots: from modeling to applications		KNE4	Tuesday 14th Oct, pm
Oscar L. Malta	Universidade Federal de Pernambuco (Brasil)	Revisiting the mechanisms of non-radiative energy transfer in lanthanide materials		KNE5	Tuesday 14th Oct, am
Guanying Chen	Harbin Institute of Technology (China)	The size effects on luminescence of lanthanide upconversion nanoparticles		KNE6	Tuesday 14th Oct, pm
Alberto Vomiero	Luleå Univ. of Technol. (Sweden)/ Univ. of Venice	Advanced nanostructures for solar energy harvesting		KNE7	Tuesday 14th Oct, pm
Murallee Murugesu	University of Ottawa (Canada)	Synthetic Methodologies for Developing Lanthanide-Based Molecular Magnetic and Optical Materials		KNE8	Wed 15th Oct, am
Bryce S. Richards	Karlsruhe Institute of Technology (Germany)	Broadband Spectral Conversion and Light Management for Next Generation Greenhouses		KNE9	Wed 15th Oct, pm
Andrea Pickel	University of Rochester (USA)	Taking Luminescence Thermometry to Extremes for Device, Energy, and Catalysis Applications		KNE10	Wed 15th Oct, am
Jose Ramón Galán Mascarós	ICIQ, Catalonia (Spain)	SUPERVAL: A European project towards solar-powered waste to added value chemicals		KNE11	Wed 15th Oct, pm
Carlos Glez Montesdeoca	ITER - Tenerife (Spain)	A Simplified Architecture for Air-Processed Perovskite Solar Cells: Carbon-Paste Back Contacts and Pathways to Improved Efficiency		KNE12	Wed 15th Oct, pm
Riccardo Marin	Ca' Foscari University of Venice (Italy)	Cross-sensitivity in Luminescence Sensing: From Foe to Friend	Invited - Bio	IB1	Monday 13th Oct, am
Artur Bednarkiewicz	INTIBS (Poland)	Label free sub-diffraction imaging		IB2	Monday 13th Oct, pm
Luis F. Marsal	Universitat Rovira i Virgili (Spain)	Tailored Nanostructured Anodic Alumina Platforms for Biomedical Applications		IB3	Monday 13th Oct, pm
Jose Manuel Costa Hernandez	Universidad de Oviedo (Spain)	Functionalized Nanoparticles and Spectroscopy for High-Sensitivity Biomarker Quantification: Progress in Decentralized Diagnosis and Food Safety Control		IB4	Monday 13th Oct, pm
Hong Lui	Shandong University, China	Material Cues Regulating Stem Cell Fate for Cell Therapy of Neurological Diseases		IB5	Tuesday 14th Oct, am
Lewis E. MacKenzie	University of Strathclyde, Scotland (UK)	Exploring overlooked variables in upconversion nanoparticle synthesis: getting the basics in place for future biomedical applications		IB6	Tuesday 14th Oct, pm
Antonio Benayas	Universidad Autónoma de Madrid (Spain)	Luminescence thermometry 4.0: the probe testing heat transport within itself		IB7	Tuesday 14th Oct, am
Beatriz H. Juárez	Instituto Ciencia Materiales Madrid- CSIC (Spain)	Ag2S-based nanoparticles for luminescence nanothermometry		IB8	Tuesday 14th Oct, pm
Adolfo Speghini	University of Verona (Italy)	NanoLDHs for biomedical applications		IB9	Tuesday 14th Oct, am
Ute Resch-Gerner	Inst. Mat. Research Test. (BAM) (Germany)	From Multicolor Reporters and Sensors and Surface Functionalization to Multi-Method Nanoscale Reference Materials		IB10	Tuesday 14th Oct, pm
Stéphane Petoud	Center Molecular Biophysics, CNRS (France)	Lanthanide Compounds for Biological Imaging: Dual-mode Near-infrared Optical and Photoacoustic Imaging Agents with Low Energy Excitation Wavelengths		IB11	Tuesday 14th Oct, pm
Fernando Sigoli	Unicampinas (Brazil)	The Role of Molecular Symmetry in Modulating Downshifting and Upconversion Circularly Polarized Luminescence of Lanthanide(III) Systems		IB12	Tuesday 14th Oct, pm
Svetlana Eliseeva	Center for Molecular Biophysics, CNRS (France)	Luminescent Lanthanide(III)-Based Metallacrowns as Modular Scaffolds to Design NIR-II Imaging Agents		IB13	Tuesday 14th Oct, pm
Enrique Orti	ICMOL Valencia (España)	Hole-Transporting Materials for Perovskite Solar Cells: Chemical Design and Charge Transport	Invited - Energy/others	IE1	Monday 13th Oct, am
Zhuoying Chen	ESPCI Paris - PSL (France)	Nanocomposites and Nanoscale Structural-Properties for More Stable Perovskite Solar Cells		IE2	Monday 13th Oct, am
Carlos Brites	University of Aveiro (Portugal)	SHIFTing Paradigms: Molecular Logic Meets Lanthanide Photonics		IE3	Monday 13th Oct, am
Wibke Albrecht	AMOLF institute, Amsterdam (Netherlands)	Single-particle structure-property correlation for optical fiber-based photocatalytic reactors		IE4	Monday 13th Oct, pm
Esther Alarcón	AMOLF institute, Amsterdam (Netherlands)	Efficient ultrathin solar cells enabled by nanoscale architectures with correlated disorder		IE5	Monday 13th Oct, pm
Maria Escudero	ICN2, Catalonia (Spain)	Tailored Electrochemical Interfaces for Renewable Energy Conversion		IE6	Monday 13th Oct, pm
Rui Almeida	Universidade de Lisboa (Portugal)	Up-conversion in sol-gel derived 1-D microcavities for photonic crystal assisted white light generation		IE7	Monday 13th Oct, pm
Claudio Roscini	ICN2, Catalonia (Spain)	Low-cost and sustainable smart window films for energy savings		IE8	Monday 13th Oct, pm
Antonio García-Martin	IMN-CSIC (Spain)	VO2-Au coupling: photothermal and modulation effects		IE9	Tuesday 14th Oct, am
Rute A. S. Ferreira	University of Aveiro, Portugal	Luminescent Materials for Autonomous Energy Harvesting and Thermal Sensing in Photonic Devices		IE10	Tuesday 14th Oct, am
Fernando León	Banco de España (Spain)	Materials and Technology for Banknotes		IE11	Tuesday 14th Oct, am
Erik Garnett	AMOLF institute, Amsterdam (Netherlands)	The Material Evolution Revolution		IE12	Tuesday 14th Oct, am
Emilio Nieto	Centro Nacional de Hidrógeno, CNH2 (Spain)	Hydrogen: present and future		IE13	Tuesday 14th Oct, pm
Rosalía Serna	Instituto de Óptica, CSIC, Madrid (Spain)	Sustainable Semimetal Nanostructures for Unconventional Plasmonics : Promising Energy and Sensing Photonic Platforms		IE14	Tuesday 14th Oct, pm
Diogo Alves Gállico	University of Alberta (Canada)	Magnetic Circularly Polarized Luminescence with Lanthanides(III)		IE15	Tuesday 14th Oct, pm
Airán Ródenas	LEAP Lab - Universidad de La Laguna (Spain)	Towards all-inside-crystal 3D nanophotonics for extreme-environment sensing		IE16	Wed 15th Oct, am
Markus Suta	Heinrich Heine Universität Düsseldorf (Germany)	Guidelines on the design of wide-range luminescent thermometers		IE17	Wed 15th Oct, am
Artiom Skripka	Oregon State University (USA)	Photon avalanching in Nd3+-doped heavy-halides		IE18	Wed 15th Oct, am
Lining Sun	Shanghai University (China)	Lanthanide Upconversion Luminescence: From Molecule-Nano-Micro Scale		IE19	Wed 15th Oct, am
Gan Huang	Karlsruhe Institute of Technology (Germany)	Photonic Materials for Passive Radiative Cooling and Indoor Light Management		IE20	Wed 15th Oct, am
Teresa Gatti	Politecnico di Torino (Italy)	Bismuth-based semiconductors for sustainable light-energy conversion		IE21	Wed 15th Oct, am
Gunnar Westin	Uppsala University (Sweden)	On the complex nature of Eu-doped ZnO nano-sponges		IE22	Wed 15th Oct, am
Maria González Béjar	Universidad de Valencia (Spain)	Designing NIR-Responsive Nanohybrids: Conjugated Polymer Shells on Upconversion Nanoparticles		IE23	Wed 15th Oct, am
Loïc Charbonnière	University of Strasbourg (France)	Driving molecular upconversion with molecular wheels		IE24	Wed 15th Oct, pm
Thomas Just Sørensen	University of Copenhagen (Denmark)	Shifting our perspective on the electronic structure of lanthanide(III) ions		IE25	Wed 15th Oct, pm
Pedro Camargo	University of Helsinki (Finland)	Light-Switchable Plasmonic Catalysts: Smart Antenna-Reactor Nanomaterials for Energy and Environmental Applications		IE26	Wed 15th Oct, pm

STUDENTS - ORAL

Biomedical applications	OB1	Piotr Kuich	Vesicular-type nanocarriers co-loaded with photosensitizers and persistent luminescence ZnGa ₂ O ₄ :Cr ³⁺ nanomaterials for theranostics	Wroclaw University of Science and Technology
	OB2	Satyam Chaturvedi	Color Tunability and Optical Thermometry Study of Er ³⁺ co-doped SrMoO ₄ : Dy ³⁺ phosphor	Indian Institute of Technology (BHU), Varanasi
	OB3	Jugal Barman	Microwave-assisted method for rapid synthesis of high-quality iron-oxide nanocubes using benzaldehyde as a key molecule	Italian Institute of Technology, Genova, Italy
	OB4	Ramon Raposo Filho	How surface charge controls the onset temperature of LDL fluctuations in ambient liquid water	CICECO – Aveiro Institute of Materials
	OB5	Pablo Camarero Linares	What Can CaF ₂ :Nd,Y Nanothermometers Tell Us About Heating in U-87 Mg Multicellular Spheroids?	Universidad Autónoma de Madrid
	OB6	Alejandro Hernández Medel	Silica Shielding of Ag ₂ S Nanocrystals: Safeguarding Luminescence in Complex Biological Environments	Universidad Autónoma de Madrid
	OB7	Diego Lecumberri	Dual-Mode NIR-III Fluorescent and OCT Contrast Agents Based on Zinc-Doped Silver Telluride Quantum Dots	Universidad Autónoma de Madrid
	OB8	Rebecca McGonigle	The role of polyethyleneimine (PEI) molecular weight in tuning molecular binding, photophysical, and FRET properties of NaYF ₄ :Yb,Er upconversion nanoparticles.	The University Of Strathclyde
	OB9	Ilyan ming	Luminescence-enabled three-dimensional temperature mapping	nanoBIG-Universidad Autónoma de Madrid
	OB10	Hana Mirmajidi	Biopolymer-Coated Lanthanide Nanoparticles for Enhanced Bioimaging	University of Ottawa
	OB11	Naomi Weitzel	Large Stokes Shift UV Emission from Fully Sensitized NaYbF ₄ :Tm@NaYF ₄ Nanoparticles: Engineering Energy Migration and Shell Passivation for Bioactive Photochemistry	University of Regensburg
	OB12	Ariel Stiber	Advancing CAR T Cell Therapy with Surface-enhanced Raman-based Live Immune Cell Monitoring	Stanford University
	OB13	Francis D. R. Garcia	Integrated Photoluminescence-Based Volatile Organic Compounds Detection: Material Design and Miniaturized Sensor Development	São Carlos Institute of Chemistry (IQSC-USP)
	OB14	Emily Andreato	Indium-Based Fluoride Nanoparticles Doped with Chromium for Near Infrared Luminescence	nanoBIG-Universidad Autónoma de Madrid
	OB15	Cindy Shi	Mechanosensitive polymer-upconverting nanoparticle composites with biologically-relevant compliances	Stanford University
	OB16	Zhen Mu	Conditional Diffusion Reconstruction for Scintillator Based X ray Imaging	National University of Singapore
	OB17	Emil Milan	Upconverting colloidal nanocomposites for PDT	Università degli studi di Verona

Energy/others applications	OE1	Yongwei Guo	Exploring Water Beyond the Solvent: Insights into Density Fluctuations and Enhanced Green Fluorescent Protein (EGFP) Unfolding via Luminescence Thermometry	Universidade de Aveiro
	OE2	Rohit B Raj	Optical reactor for light-driven chemistry	AMOLF institute, Amsterdam (Netherlands)
	OE3	Jan Moszczyński	Force and Light (UV-NIR) emissions from Nd ³⁺ and Mn ²⁺ doped ZnS/CaZnOS Heterojunction for thermal and biological applications via Mechanolum. and Photolum.	Adam Mickiewicz University
	OE4	Nikita Panov	Leveraging Cross-Sensitivity for Multiparameter Luminescence Sensing with Tunable Sensitivity-Specificity Balance.	Universidad Autónoma de Madrid
	OE5	Maximilian Stremel	A Revival of Unusual Transition Metal Ions	Heinrich-Heine university Duesseldorf
	OE6	Noel Muñoz Pérez	Ketocyanine-based materials for near infrared-to-visible thermochromism	Institut Català de Nanociència i Nanotecnologia (ICN2)
	OE7	Zaida Curbelo Cano	Synthesis of composites for 3D-printing of tuned luminescent objects using up-conversion rare-earth doped ceramics for anti-counterfeiting applications	IMDEA Nanociencia
	OE8	Beatriz Castillo	Towards chiral acoustoplasmonics	IMN-CSIC
	OE9	Shanas Fatima	Rare-Earth Doped Cs ₃ Bi ₂ Cl ₉ for Optical Thermometry and Anticounterfeiting	Indian Institute of Technology, (BHU), Varanasi
	OE10	Sheila Torres-García	Boosting Photoelectrochemical Hydrogen Generation via Up-Conversion in Rare-Earth-Doped Materials	Universidad de La Laguna, Spain
	OE11	Shruti Sajwan	Lanthanide co-doped Zn ₂ .95Ga ₂ SnO ₈ : Cr ³⁺ : A promising material for Advanced Multilevel Anticounterfeiting	Indian Institute of Technology (Banaras Hindu University) Varanasi
	OE12	Miguel Medina-Alayón	Luminescence-encoded materials for next-generation security inks	Universidad de La Laguna, Spain
	OE13	Ana Dávila	NaYF ₄ :Er ³⁺ , Yb ³⁺ UCNP and their highly polarized luminescence as flow sensors	Nanomaterials for Bioimaging Group (nanoBIG)
	OE14	Esther Rincón	Optical trapping of upconverting nanoparticles on ferroelectric substrates	Universidad Autónoma de Madrid
	OE15	Aleix Carrascul Marín	Towards Photochromic Smart Windows: Nanodroplet Technology for Scalable and Durable Film Coatings	Institut Català de Nanociència i Nanotecnologia - ICN2
	OE16	Loriane Monin	Investigating the structural stability of GNR under pulsed light illumination inside the transmission electron microscope for light driven catalysis	AMOLF institute, Amsterdam (Netherlands)
	OE17	Fengchan Zhang	Plasmon-enhanced colloidal upconverting nanoparticles: brighter luminescence and controllable motion	Universidad Autónoma de Madrid
	OE18	Francesca Scalerandi	Plasmon hybrid nanosystems: role of shape and interface	AMOLF institute, Amsterdam (Netherlands)
	OE19	Veronika Adolfs	2D-semiconductor nanoplatelets as laser gain medium in liquid-core-fibers	Leibniz University Hannover

REGULAR (Dr./Prof.) - ORAL

Biomedical applications	OB18	Albenc Nexha	Artificial seeds that fly and sense environmental parameters	INM - Leibniz Institute for New Materials
	OB19	Tatiana Tozar	Development and characterization of motexafin lutetium - loaded hydrogels for NIR-activated photodynamic therapy in breast cancer	National Institute for Laser, Plasma, and Radiation Physics
	OB20	Natalia Jurga	Effect of the synthesis route of Er3+-based photon-upconversion nanoparticles on immunoassays for disease biomarkers	Adam Mickiewicz University in Poznań
	OB21	Ecem Tiryaki	Engineered Ag@Au@Iron Oxide Trimers for Synergistic Magnetic and Photothermal Therapy of Heat-Resistant Glioblastoma	Istituto Italiano di Tecnologia (IIT)
	OB22	Fernando Lahoz	Random laser emission of fluorescent molecules for biomedical applications	Universidad de La Laguna
	OB23	Ian Pompermayer Machado	Exploring the Er,Yb-doped upconversion system for BW-I thermometry: does the detection system matter?	Ghent University
	OB24	Dominika Przybylska	Detection of specific analytes using upconverting nanoparticles coated by molecularly imprinted polymers as biomimetic receptors	Faculty of Chemistry, Adam Mickiewicz University in Poznań
	OB25	Miao Liu	Toward accurate photoluminescence nanothermometry using rare-earth doped nanoparticles	Institut National de la Recherche Scientifique
	OB26	Bartosz Krajnik	Single nanoparticle temperature mapping	Wroclaw University of Science and Technology
	OB27	Marcin Nyk	Two-photon excited luminescence of advanced colloidal nanomaterials for heavy metal ions detection	Wroclaw University of Science and Technology
	OB28	Mario Diaz	Optical and lasing properties of the novel antiestrogen derivative endoxifen-NBD (FLT3) and its potential for the diagnosis of breast cancer resistance	Universidad de La Laguna
	OB29	Hans Gorris	Hybridization transfer assay based on UCNPs detects ultralow concentrations of DNA	Masaryk University
	OB30	Rogéria Rocha Gonçalves	From Synthesis to Application: Biocompatible Gd3TaO7 Nanoprobes for Multimodal Biomedical Imaging	University of Sao Paulo
	OB31	Dirk Ortgies	Nanotechnology-Enabled Contrast Agents for Rapid Detection of Myocardial Infarction	Universidad Autónoma de Madrid
	OB32	Tomasz Gryzb	Applying Luminescent Nanoparticles in Biological Research of Nano- and Microplastics	Adam Mickiewicz University, Poznań
	OB33	Chen Jiaye	Optical Nonlinearities in Excess of 500 through Sublattice Reconstruction	National University of Singapore
	OB34	K. David Wegner	Ag2S nanocrystals as next-generation, heavy-metal free short-wave infrared emitters for biomedical imaging and sensing applications	Federal Institute for Materials Research and Testing (BAM)
	OB35	Fernando E. Maturi	Multiparametric thermal sensing: how far can we go in luminescence thermometry?	nanoBIG - Universidad Autónoma de Madrid
	OB36	Celina Matuszewska	Mechanistic Insights into the Enhancement of Persistent Luminescence in ZnGa2O4: Cr3+ Nanoparticles upon H2O2 Exposure	Sorbonne Université

Energy/others applications	OE20	Erving Ximendes	Artificial Neural Networks as a Key Enabler for Advanced Luminescence Thermometry	Universidad Autónoma de Madrid
	OE21	Yoel Nergin	Engineering Metal-Semiconductor Nanostructures for Enhanced Photocatalysis	Photonics & Nanotechnology Group, King's College
	OE22	Michal Zitnan	TiO2-based heterojunction deposited on the membrane for photocatalytic wastewater treatment	Alexander Dubcek University in Trencin
	OE23	Celso de Mello Donega	Colloidal Nanocrystals for Quantum Dot-based Luminescent Solar Concentrators	Utrecht University
	OE24	christian wüth	Influence of Integrating Sphere Geometry on Absolute Measurements of Photoluminescence Quantum Yields of Light Scattering LED Converter Materials	BAM - Federal Institute of Material Science and Testing
	OE25	Jence Mulder	Narrow-band Eu3+-based red phosphors for warm white lighting	Seaborough Research BV
	OE26	Lorenzo Vallan	Oil Nanodrops-based Luminescent Solar Concentrators	Institut Català de Nanociència i Nanotecnologia (ICN2)
	OE27	Felipe Andrés Garcés Pineda	Spin manipulation in electrochemistry: From catalyst design to energy applications	Institute of Chemical Research of Catalonia (ICIQ)
	OE28	Laura Francés Soriano	Artificial Photorepair of DNA e-Adducts via NIR-Activated Upconversion Nanomaterials	Universitat Politècnica de València
	OE29	Agata Szczeszak	Rare-Earth Doped Molybdate-Tungstate Phosphors for Optical Thermometry and White LED Applications	Adam Mickiewicz University, Poznań
	OE30	York Estewin Serge Correales	Extending NIR emission into the SWIR via cross-relaxation tuning in Tm3+-doped nanoparticles	University of Ottawa
	OE31	Lukasz Marciniak	Eu3+ based luminescent ratiometric thermometer for thermal sensing and imaging? Phase transition in action	Institute of Low Temperature and Structure Research, Polish Academy of Scie.
	OE32	Humberto E. Sánchez-Godoy	Inverted Triple-Cation Perovskite Architectures Outperform Conventional Counterparts in Photovoltaic and Photodetector Applications	Instituto de Ciencia de los Materiales, Universidad de Valencia (Spain)
	OE33	Airton Germano Bispo-Jr	Investigating YbIII Quantum Cutting Emission in Molecular Systems Based on Coordination Polymers	University of São Paulo - Institute of Chemistry
	OE34	Sergio Rey	Er-enabled Cathodoluminescence Nanothermometry of Plasmonic Nanoparticles under Laser Excitation	NWO-I AMOLF
	OE35	Praveen Chandra Pandey	Negative thermal quenching in SrMoO4: Dy3+/Ho3+ thermo-sensitive phosphors and their application as Contactless Optical Thermometer	Indian Institute of Technology (BHU), Varanasi
	OE36	Lauro June Queiroz Maia	Multifunctional lanthanide-doped YAB and YBO3 nanomaterials with visible and infrared emissions for photonic devices	Federal University of Goiás and University of São Paulo
	OE37	Przemysław Woźny	Whispering Gallery Modes in Rhodamine B-Doped Cellulose Microfibers for High-Sensitivity Optical Thermometry	Uniwersytet im. Adama Mickiewicza w Poznaniu
	OE38	Beibei Shao	Bioinspired Intelligent Interface Materials and Self-powered Devices for Wearable/On-skin Health Monitoring	FUNSOM, Soochow University, Suzhou, China
	OE39	Ricardo Santos Baltieri	Luminescence Thermometry in Pure TeO2 Glasses Doped with Er3+/Yb3+ and Eu3+: Remote Sensing Capability Across the Biological Temperature Range	University of São Paulo
	OE40	Sergio A M Lima	Multiparametric luminescent thermometry using a new series of iridiumIII complexes: unveiling temperature dependence via ³ LC- ¹ , ³ MLCT hybrid states	São Paulo State University (Unesp)
	OE41	Simon Spelthann	Towards Measuring Spatial Thermal Gradients with Nanothermometers During Ultrafast Laser-Driven Dissipative Self-Assembly	Ruhr-University Bochum
	OE42	José Mauricio Almeida Caiut	Ln3+-doped Cellulose Nanocrystals Cholesteric Films: Influence on Lanthanide Spectroscopy and Potential Photonic Applications	UNIVERSITY OF SÃO PAULO (USP)
	OE43	Beatriz S. Cugnasca	BODIPY/Eu3+-Tetrakis luminescent PMMA films aiming for smart window applications	University of Sao Paulo - Institute of Chemistry
	OE44	Stefano Giancola	Unlocking affordable and sustainable CO2 capture and purification to enable downstream conversion	Orchestra Scientific
	OE45	Juan P. Martínez-Pastor	Optoelectronic properties of Two-Dimensional Metal Halide Perovskites	Instituto de Ciencia de los Materiales, Universidad de Valencia (Spain)
	OE46	Paweł Karpinski	Optical tweezers, laser refrigeration, Raman thermometry and anti-Stokes luminescence of Yb-doped microcrystals	Wroclaw University of Science and Technology
	OE47	Vitezslav Jary	Scintillation and optical properties of advanced YAS:Ce glass system	Institute of Physics of the Czech Academy of Sciences
	OE48	Daan Methorst	Emission collimation for enhanced diffuse light concentration	AMOLF institute, Amsterdam (Netherlands)
	OE49	Elaina Galvin	Dynamic Plasmonic Photothermal CO2 Hydrogenation	AMOLF institute, Amsterdam (Netherlands)
	OE50	Paulina Rajchel-Mieldzioc	Controlling Emission of Tm-based Upconverting Nanoparticles via Multi-Wavelength Near-Infrared Co-Excitation	University of Warsaw
	OE51	Maja Szymczak	Ratiometric luminescence manometry based on broadband-emitting phosphors: a new class of highly sensitive pressure sensors	Institute of Low Temperature and Structure Research Polish Acad. Scie.
	OE52	Luis Linares	From Waste to Resource: The Potential of Recycled Lithium Batteries	EAVE Inc. (Spain)
	OE53	Adam Filipkowski	Single-to-donut-mode converter for coupling light into ring core fibre	Institute of Microelectronics and Photonics
	OE54	Marta Górdel-Wójcik	Tracking Excited State Processes in Plasmon Chromophore Hybrids via Femtosecond Transient Absorption	Wroclaw University (Poland)

STUDENTS - POSTER

Biomedical applications	PB1	Jordi Jaenen	Development of SiO ₂ @AuNRs-LiLuF ₄ :Ho ³⁺ ,Yb ³⁺ Hybrid Nanostructure for Simultaneous Near-Infrared Induced Heating and Optical Nanothermometry	Ghent University
	PB2	Joshua Baggott	Yb ³⁺ /Er ³⁺ Upconversion Luminescence in Lithium Aluminosilicates	Intelligent Materials Chemistry Research Group, University of Turku
	PB3	Natalia Ochoa Paipilla	Towards nanothermometers for inflammation detection in the NIR-III – Optimization of Er ³⁺ emission in the near-infrared	Universidad Autonoma de Madrid
	PB4	Renan Caike Silva	Design of core-multi-shell NaGdF ₄ :YbIII, TmIII upconversion nanoparticles decorated with luminescent iridiumIII complex: synthesis and photophysical insight	São Paulo State University
	PB5	Zofia Petryna	Downshifting Tm ³⁺ -Yb ³⁺ doped LiLuF ₄ nanoparticles for NIR thermometry. Examining the influence of core-shell structures and a 3rd Ln ³⁺ ion on thermometry performance	NanoSensing Group; Department of Chemistry; Ghent University
	PB6	Ayse Alici	Developing Hybrid Materials Based on Multifunctional Ag ₂ S Nanoparticles for Photothermal Therapy and Real-Time Temperature Sensing	Ghent University, NanoSensing Research Group
	PB7	Francesca Loschi	Lanthanide doped nanofluorides as optical probes for biomedical applications	Nanomaterials Research Group
	PB8	Maria S. Batista	Red/NIR emission in zinc gallogermanate: Cr ³⁺ and Cr ⁴⁺ active centers	i3N, Department of Physics, University of Aveiro, Portugal
	PB9	Livia Didonè	Use of biorthogonal click chemistry for the detection of inflammation-induced overexpression of VCAM-1 in mouse endothelial cells	nanoBIG - Universidad Autonoma de Madrid
Energy/others applications	PE1	Samuel Sanchez	Photon Piling in Upconverting Lanthanide Clusters	University Of Strasbourg
	PE2	Luis Merchante Gallego	Transition metal oxides as a methane oxidation catalysts under Plasma conditions	Institute of Chemical Research of Catalonia (ICIQ)
	PE3	Líliã Dias	Photonic Materials for Neuromorphic Architectures	Department of Physics and CICECO-Aveiro Institute of Materials
	PE4	Ayla Dekker	Direct insights into ligand exchange dynamics on NaYF ₄ nanocrystals using 1H-NMR	Utrecht university
	PE5	Zoé Languénou	Metal-organic frameworks (MOFs) based on lanthanides from molecular electronics	CICECO-Aveiro Institute of Materials
	PE6	Jana Floréal	Stable nano-YAG:Ce ³⁺ phosphors for photonic applications	Seaborough Materials Research B.V.
	PE7	Agnieszka Siomra	Metal ions sensing with two-photon fluorescent probes based on cadmium-free colloidal quantum dots	Wroclaw University of Science and Technology
	PE8	Liliana Santamaría Acevedo	Electrocatalytic H ₂ O ₂ Production via 2e ⁻ Water Oxidation on Fluorine-Doped Tin Oxide Catalysts	Institute of Chemical Research of Catalonia (ICIQ)
	PE9	Margarita Galper	Modifying PTAA Wettability for Large Area Perovskite Solar Cells	AMOLF
	PE10	Julia Zanoni	Optical Properties of Eu-Implanted Ga ₂ O ₃ Thin Films: From α to β Polymorphs	i3N, Departamento de Física, Universidade de Aveiro
	PE11	V.M. Pérez-González	KTbF ₁₀ RE-doped solvothermal nanoparticles for lighting applications	Universidad de La Laguna
	PE12	Kiril Ivanov-Kurtev	Stitching-Based Resolution Enhancement in Wavefront Phase Measurement of Silicon Wafer Surfaces	Universidad de La Laguna / Wootptix SL
	PE13	Alice Mirone	Compact photocapacitors and photobatteries for direct light energy storage	Politecnico di Torino, Italy
	PE14	Jiangtao Li	Skin-inspired stretchable biogel enables high-performance moisture-electric generation and AI-enhanced closed-loop hydration regulation	FUNSOM, Soochow University, Suzhou, China

REGULAR (Dr./Prof.) - POSTER				
Biomedical applications	PB10	Angela Staicu	Advanced Photodynamic Therapy Using Laser-Generated X-Rays	National Institute for Lasers, Romania
	PB11	Dinache Andra Cristina	Scintillating Nanocomplexes for X-Ray Induced Photodynamic Therapy	National Institute for Lasers, Romania
	PB12	Aleksandra Pilch-Wróbel	Engineering Core@Shell Upconverting Nanoparticles for High-Efficiency FRET-Based pH Sensing	Institute of Low Temperature and Struct. Res. Polish Acad.
	PB13	Magdalena Dudek	Evaluating the laser cooling potential of Yb3+ - doped CaF2 microcrystals	Wroclaw University of Science and Technology
	PB14	Łukasz Bujak	Adaptive Phase Engineering in Interferometric Scattering Microscopy	Institute of Photonics and Electronics of the CAS
	PB15	Vitalijus Karabanovas	Highly Photostable UCNPs–Chlorin e6 Nanocomplex for Dual NIR-Activated Photodynamic Therapy	National Cancer Institute
	PB16	Sílvia Silva	Before Going Intracellular: Exploring the Temperature-Dependent Emission Behaviour and Stability of a Genetically Encoded Probe in Intracellular-Mimicking Buffers	Universidade de Aveiro
	PB17	Dongmei Qiu	Infrared emitting lanthanide doped nanoparticles provide sensing capabilities to coronary implants	UAM nanoBig
	PB18	Tatiana Tozar	Development of a multimodal laser-based system for intraoperative differentiation of head and neck cancer	National Institute for Laser, Plasma, and Radiation Physics
	PB19	Tatiana Tozar	Modeling proton-induced DNA damage in human fibroblasts using GEANT4-DNA simulations	National Institute for Laser, Plasma, and Radiation Physics
	PB20	Felipe S. M. Canisares	Upconversion nanoparticles coated with Ir3+-Ln3+ bimetallic complex aiming for singlet oxygen (1O_2) generation	University of São Paulo - Institute of Chemistry
	PB21	Alessandra Mara Garbosa Mutti	Investigation of a nanoconstructed curcumin-loaded Eu(III)-silica system as nitric oxide photoreleasing for theranostic application	UNESP
	PB22	Maryam Saketosgouei	Study on optical properties of K and Cs-doped g-C3N4 and their photoelectrochemical activity for reduction of CO2	Institute of Chemical Research of Catalonia (ICIQ-CERCA)
	PB23	Vilius Poderys	Photodynamic Performance of Upconverting Nanoparticle–Protein Stabilized Gold Nanocluster–Chlorin e6 Hybrid Systems	National Cancer Institute
	PB24	Laura García-Expósito	Label-free imaging of human cell models of neurodegenerative disorders using Quantitative Phase Imaging (QPI)	Dpto Ciencias Médicas ULL
Energy/others applications	PB25	Rung-Ywan Tsai	Digital ELISA for Early Screening of Alzheimer's Disease with a Blood-Based Test	Caduceus Biotechnology Inc. (Taiwan)
	PE15	Nayara De Melo Costa Serge	Bifunctional Eu3+-doped layered double hydroxide on membrane support for luminescent sensing and adsorptive removal of tetracycline	University of São Paulo (USP)
	PE16	Ion Tiseanu	Thermal Wave Nondestructive Testing via Phosphor Lifetime Imaging: X-ray Imaging Validation	National Institute for Lasers, Romania
	PE17	Simon Spelthann	Making the Calibration of Power Dependence in Ratiometric Luminescent Nanothermometry superfluous	Leibniz University Hannover
	PE18	Leonnam Gotardo Merizio	Exploring the Glass–Particle Interface in PersL Composites	University of Sao Paulo (USP)
	PE19	Georgios Arvanitakis	Photoluminescence Spectroscopy of Upconversion Nanoparticles Using a Compact Spectrofluorometer	Edinburgh Instruments
	PE20	Luca Cartabia	Green Synthesis of P-doped Carbon Nitride for Effective Light-driven Oxidation Reactions in Hypoxic Environments	Justus Liebig University Giessen
	PE21	Christian Hernández Álvarez	A New Approach to Remote Optical Current Sensing Using NaYF4:Yb3+, Er3+	Adam Mickiewicz University / Universidad de La Laguna
	PE22	Michael Steinke	Fiber-based Plasmonic Microreactor for Flow Chemistry	Leibniz University Hannover
	PE23	Ghazaleh Abdolhossein	Iron Prussian Blue as a water oxidation catalyst in (photo)electrochemical CO2 reduction devices	Institute of Chemical Research of Catalonia (ICIQ)
	PE24	Boris de Jong	When photons snowball: Studying the photon-avalanching nanocrystals	Utrecht University