

Sunday, 26 August 2018	
<b>Hotel Institute Simo Milosevic</b>	
<b>16.00-20.00</b>	<b>Registration</b>

Monday, 27 August 2018		
<b>Hotel Institute Simo Milosevic</b>		
<b>8.00-8.55</b>	<b>Registration</b>	
<b>Opening Ceremony: 9.00-9.15</b>		
<b>Session 1: Main Hall</b> <i>Session Chairs: G. Boulon, M. Bettinelli</i>		
9.15-10.00	Plenary lecture: A. Meijerink <i>0.5</i>	
10.00-10.35	Keynote lecture: D. Pawlak <i>Plasmonic materials/metamaterials and other novel photonic materials obtained by crystal growth techniques</i>	
10.35-11.00	Invited lecture: C. Wickleder <i>Pioneering Divalent Lanthanides for Upconversion</i>	
<b>11.00-11.30</b>	<b>Coffee Break</b>	
<b>Session 2: Main Hall</b> <i>Session Chairs: W. Streck, P. Smet</i>		
11.30-12.05	Keynote lecture: J. Capobianco <i>Upconversion nanoparticles in nanobiomedicine</i>	
12.05-12.30	Invited lecture: L. Seijo <i>Multiconfigurational ab initio calculations on luminescence: Testing models and hypotheses</i>	
12.30-12.55	Invited lecture: M. Bettinelli <i>Local symmetry at cationic sites in rhombohedral pyrochlores <math>M_2La_3Sb_3O_{14}</math> (<math>M = Mg</math> or <math>Ca</math>): a structural and spectroscopic investigation</i>	
<b>12.55-16.00</b>	<b>Break</b>	
<b>16.00-17.45</b>	<b>Parallel Sessions</b>	
<b>Main Hall</b>	<b>Hall II</b>	<b>Hall III</b>
<b>Session 3:</b> <i>Session Chairs: M. Wu, M. Lalic</i>	<b>Session 4:</b> <i>Session Chairs: M. Malinowski, J. Dayong</i>	<b>Session 5:</b> <i>Session Chairs: J. Cybinska, S. Daniele</i>
Session introductory oral lecture (20 min) M. Allix <i>Tuning persistent luminescence properties in <math>Sr_{1-x/2}Al_{2-x}Si_xO_4:Eu^{2+}, Dy^{3+}</math> transparent ceramics</i>	Session introductory oral lecture (20 min) E. Zych <i><math>Pr^{3+}</math> luminescence for temperature reading</i>	Session introductory oral lecture (20 min) M. Wickleder <i>Low valent Uranium</i>
L. Martin <i>Radio- and Cathodoluminescence study of <math>Sr_4Al_{14}O_{25}:Eu, Dy</math></i>	B. Fond <i>Characterisation of phosphor particles for temperature imaging in fluid flows</i>	P.A. Hansen <i>Strong <math>TiO_2</math> sensitization of <math>Tb^{3+}</math> by preventing Ti-Tb charge transfer quenching in</i>

		<i>subnanometer multilayer structures</i>
V. Castaing <i>Deep red and near infrared persistent luminescence in RE<sup>3+</sup> co-doped ZnGa<sub>2</sub>O<sub>4</sub>:Cr<sup>3+</sup> glass ceramics</i>	Y. Orlovskii <i>Water colloids of Nd<sup>3+</sup> doped fluoride nanocrystals for bioimaging in the first biological window</i>	G.L. Law <i>Chiral Transcription in Self-assembled Tetrahedral Eu<sub>4</sub>L<sub>6</sub> Chiral Cages Displaying Sizable Circularly Polarized Luminescence</i>
D. Van der Heggen <i>Identifying the fingerprint of optically stimulated luminescence by excitation light</i>	S. Lima <i>Terbium complex decorated silica particles as luminescent biomarker for cell imaging</i>	D. Dimitrov <i>ALD Al doped ZnO films as transparent conductors</i>
N. Hasanli <i>Determination of trapping parameters in Y<sub>2</sub>O<sub>3</sub> nanoparticles by low temperature thermoluminescence measurements</i>	E. Glais <i>Coupling ZnGa<sub>2</sub>O<sub>4</sub>:Cr<sup>3+</sup>,Bi<sup>3+</sup> luminescent nanothermometer and gold nanorods heater for local temperature measurement</i>	G. Marinov <i>Aluminum-doped zinc oxide thin films deposited by electrospray method</i>
Ž. Antić <i>Eu<sup>3+</sup> and Sm<sup>3+</sup> activated GdVO<sub>4</sub>:Eu, Sm thin films</i>	A.M. Manea-Saghin <i>Innovative biomaterials for application in photonics</i>	E. Kumi-Barimah <i>Optical properties of Er:Gd codoped ceria nanoparticle-polymer composite thin films for waveguide applications</i>
		B. Rezik <i>Laser-Heated Pedestal Growth and optical properties of Y<sub>1.5</sub>Ho<sub>1.5</sub>Al<sub>5</sub>O<sub>12</sub></i>
<b>17.45-18.10</b>	<b>Coffee Break</b>	
<b>18.10-19.30</b>	<b>Parallel Sessions</b>	
<b>Main Hall</b>	<b>Hall II</b>	<b>Hall III</b>
<b>Session 6:</b> <i>Session Chairs: S. Sharma, V. Makhov</i>	<b>Session 7:</b> <i>Session Chairs: S. Tanabe, G. Ledoux</i>	<b>Session 8:</b> <i>Session Chairs: J. Nedeljković, A. Naumov</i>
Session introductory oral lecture (20 min) M. Guzik <i>Transparent optical ceramics based on rare earth ions-doped cubic tungstate/molybdate matrices: a challenge and prospects for new efficient optical materials</i>	Session introductory oral lecture (20 min) M. Malinowski <i>Optical spectroscopy of Yb<sup>3+</sup> centers in yam</i>	Session introductory oral lecture (20 min) W. Streck <i>Phototransistor and photovoltaic effect in nanocrystalline phosphors under infrared laser excitation</i>
L. Zur <i>SiO<sub>2</sub>-SnO<sub>2</sub> glass-ceramics activated by rare earth ions for photonics</i>	L. Mydlova <i>Structural and optical properties of composite materials based on TTF-azine organic chromophores</i>	V. Kiisk <i>Oxygen-sensitive luminescence of rare earth ions in TiO<sub>2</sub> thin films</i>

P. Sobota <i>The challenge of the fabrication of <math>Y_6MoO_{12}</math> cubic optical transparent ceramics from nano-crystals</i>	V. Dorofeev <i>Study of hydroxyl groups absorption in tellurite glasses for fiber optics</i>	R. Georgiev <i>Incorporation of defects within <math>Nb_2O_5</math> bragg stack for optimizing its properties as a sensor for volatile organic compounds</i>
S. Zvonarev <i>Luminescent properties of alumina ceramics doped with manganese and magnesium</i>	S. Mittler <i>Waveguide evanescent field microscopies: weff and wefs microscopy</i>	A. Chiappini <i>Colloidal crystals based portable chromatic sensor for butanol isomers and water mixture detection</i>
		M. Lassen <i>Mid-infrared photoacoustic spectrometer for atmospheric <math>NO_2</math> measurements</i>
<b>20.30-21.30</b>	<b>Welcome party</b>	

<b>Tuesday, 28 August 2018</b>		
<b>Hotel Institute Simo Milosevic</b>		
<b>8.00-9.15</b>	<b>Registration</b>	
<b>Session 9: Main Hall</b> <i>Session Chairs: A. Meijerink, E. Zych</i>		
9.15-9.50	Keynote lecture: P. Smet <i>Defects in energy storing phosphors: the Good, the Bad and the Ugly</i>	
9.50-10.25	Keynote lecture: S. Borisov <i>Go for red to be ahead! High performance red- and NIR-emitting materials for optical sensing</i>	
10.25-11.00	Keynote lecture: M. Brik <i>Red phosphors for making "good" white LED - a theoretical insight</i>	
<b>11.00-11.30</b>	<b>Coffee Break</b>	
<b>Session 10: Main Hall</b> <i>Session Chairs: J. Capobianco, M. Ferrari</i>		
11.30-12.05	Keynote lecture: L. Bausa <i>Controlling the spectroscopic and lasing properties of rare earth doped crystals by surface plasmons</i>	
12.05-12.30	Invited lecture: J. Cybinska <i>Ionic liquids for photoluminescent and photonic applications</i>	
12.30-12.55	Invited lecture: G. Boulon <i>Influence of <math>Al^{3+}</math> and <math>P^{5+}</math> ion contents on both the valence state and the dispersion effect on <math>Yb^{3+}</math> laser ions in silica glass</i>	
<b>12.55-16.00</b>	<b>Break</b>	
<b>16.00-17.45</b>	<b>Parallel Sessions</b>	
<b>Main Hall</b>	<b>Hall II</b>	<b>Hall III</b>

<b>Session 11:</b> <i>Session Chairs: K.L. Wong, Ž. Antić</i>	<b>Session 12:</b> <i>Session Chairs: D. Boyer M. Malinowski,</i>	<b>Session 13:</b> <i>Session Chairs: C.G. Ma, N. Kunkel</i>
Session introductory oral lecture (20 min) M. Belić <i>Talbot carpets by rogue waves</i>	Session introductory oral lecture (20 min) Z. Wang <i>Dye-Sensitized Downconversion</i>	Session introductory oral lecture (20 min) A.de Andres <i>Huge stability enhancement to radiation of Bi doped <math>\text{MaPbI}_3</math> hybrid perovskite</i>
M. Lalic <i>Electronic, energetic and optical properties of the Cu and the Ag substitutional defects in the <math>\text{Li}_2\text{B}_4\text{O}_7</math> scintillator</i>	J. Christiansen <i>A Model for 1500- to 980 nm Photon Upconversion in Trivalent Erbium</i>	M. Gladush <i>Slow switching dynamics of fluorescence intensity from cooperative ensemble of quantum emitters in a dielectric host material</i>
A.Shyichuk <i>Electron traps in Ti-doped lutetium oxide – a DFT perspective</i>	T. Yu <i>Cooperative energy transfer in <math>\text{Bi}^{3+}</math>-<math>\text{Yb}^{3+}</math> codoped <math>\text{Y}_2\text{O}_3</math> phosphors</i>	V. Tolkachev <i>Surface plasmon polaritons in structure of graphene-antiferromagnetic (<math>\alpha</math>-<math>\text{Fe}_2\text{O}_3</math>)</i>
A. Moskvin <i>Optical properties of low-dimensional cuprates</i>	J. Nedeljković <i>Visible light absorption of surface-modified wide band-gap oxides: a comparative DFT and experimental study</i>	Y. Syetov <i>Two-photon absorption spectra of benzoxazoles undergoing excited state intramolecular proton transfer: TDDFT calculations</i>
V. Marinova <i>Graphene-based liquid crystal devices on rigid and flexible substrates</i>	Y. Kuznetsova <i>Advanced UV-conversion materials based on gadolinium oxide</i>	A.Alam <i>Alloyed halide double perovskites as next promising materials for solar absorbers</i>
G. Søk <i>Optimizing the extraction efficiency of emission from single InAs/InP quantum dots at telecommunication wavelengths</i>	D. Böhnisch <i><math>\text{Gd}_3\text{Li}_3\text{Te}_2\text{O}_{12}:\text{U}^{6+}, \text{Eu}^{3+}</math>: A Red Emitting Garnet Showing an <math>\text{U}^{6+}</math> to <math>\text{Eu}^{3+}</math> Energy Transfer at Room Temperature</i>	Y. Yu <i>Electromagnetic modeling of the light interactions with active luminescent materials</i>
D. Babajanov <i>Charge transport in branched conducting polymers: quantum graphs based approach</i>	A.Chowdhury <i>Luminescence blinking beyond nano-confinement: the curious case of perovskite microcrystals</i>	S. Dhar <i>Modulation of photocurrent by dual excitation in individual gan nanowires</i>
<b>17.45-19.00</b>	<b>Break</b>	
<b>19.00-21.00</b>	<b>Poster Session</b>	

**Wednesday, 29 August 2018**

**Hotel Institute Simo Milosevic**

<b>8.00-9.15</b>	<b>Registration</b>
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<b>Session 14: Main Hall</b> <i>Session Chairs: L. Bausa, M. Brik</i>	
9.15-9.50	Keynote lecture: V. Nazabal <i>To what extent the development of chalcogenide glasses can lead to innovations in environmental infrared detection</i>
9.50-10.25	Keynote lecture: S. Tanabe <i>Big changes in persistent luminescence characteristics and electronic structures of Ce-doped garnets by hydrostatic pressure</i>
10.25-10.50	Invited lecture: A. Yoshikawa <i>Bulk crystal growth of Ce doped <math>Gd_3(Ga,Al)_5O_{12}</math> single crystal from the melt in the Cold Crucible</i>
<b>10.50-11.30</b>	<b>Coffee Break</b>
<b>Session 15: Main Hall</b> <i>Session Chairs: M. Guzik, B. Viana</i>	
11.30-11.40	<b>Conference photo</b>
11.40-12.05	Invited lecture: KL. Wong <i>Biocompatible lanthanide materials for tumors targeting, imaging and inhibition targeting EBV associated cancer diseases</i>
12.05-12.30	Invited lecture: B. Ham <i>White light generation via energy transfer mechanism among multiple inorganic dopants in Zinc borate glasses</i>
12.30-12.55	Invited lecture: M. Pollnau <i>The phase difference of spontaneous and stimulated emission by atoms into an electromagnetic field</i>
<b>12.55-18.00</b>	<b>Break</b>
<b>18.00-22.00</b>	<b>Conference dinner and party at Boat</b>

<b>Thursday, 30 August 2018</b>	
<b>Hotel Institute Simo Milosevic</b>	
<b>8.00-8.55</b>	<b>Registration</b>
<b>Session 16: Main Hall</b> <i>Session Chairs: J. Zhou, M. D. Dramićanin</i>	
9.15-10.00	Plenary: D. Jin <i>Advances in highly doped upconversion nanoparticles and emerging applications</i>
10.00-10.35	Keynote lecture: F. Vetrone <i>Multi-modal hybrid nanostructures based on rare earth doped nanoparticles</i>
10.35-11.00	Invited lecture: M. Wu <i>Theoretical insights into the empirical models used in lanthanide and transition-metal spectroscopy</i>
<b>11.00-11.30</b>	<b>Coffee Break</b>
11.30-11.40	<b>ICOM INFORMATION</b>
<b>Session 17: Main Hall</b> <i>Session Chairs: R. Mahiou, P. Sazio</i>	
11.40-12.05	Invited lecture: R. Bro

	<i>Handling large amounts of data. Applications in applied fluorescence spectroscopy</i>	
12.05-12.30	Invited lecture: A. Bensalah-Ledoux <i>Chiral thin films for new optical devices</i>	
12.30-12.55	Invited lecture: A. Naumov <i>Microrefractometry by fluorescence nanoscopy with single probe emitters</i>	
<b>12.55-16.00</b>	<b>Break</b>	
<b>16.00-17.45</b>	<b>Parallel Sessions</b>	
<b>Main Hall</b>	<b>Hall II</b>	<b>Hall III</b>
<b>Session 18:</b> <i>Session Chairs: B. Ham, V. Nazabal</i>	<b>Session 19:</b> <i>Session Chairs: M. Popova, M. Belić</i>	<b>Session 20:</b> <i>Session Chairs: J. Ueda, G. Chadeyron</i>
Session introductory oral lecture (20 min) S. Feofilov <i>Fluorescence spectroscopy of Cr<sup>3+</sup> ions in laser molecular beam epitaxy-grown oxide films</i>	Session introductory oral lecture (20 min) N. Kunkel <i>Rare earth luminescence in hydrides</i>	Session introductory oral lecture (20 min) S. Kurosawa <i>Optical properties of Cr-doped <math>\beta</math>-Ga<sub>2</sub>O<sub>3</sub> as red and near infra-red emission scintillators</i>
G. Boudebs <i>Third order nonlinear characterization of graphene quantum dots</i>	H. Chen <i>Optical properties of Tb<sup>3+</sup>-based crystals for visible laser applications</i>	K. Bogdanov <i>Luminescent diamond particles with controllably embedded dopant atoms</i>
L. Dolgov <i>Fluorescence response on oxygen from TiO<sub>2</sub>:Sm<sup>3+</sup> films decorated by Au/ SiO<sub>2</sub> nanoparticles</i>	A. Vanetsev <i>Soft chemical synthesis of complex fluoride nanoparticles for warm wLEDS</i>	S. Daniele <i>Solution processing of hybrid ZnO nanophosphors assembled in mesosphere for led applications</i>
B. Adamczyk <i>Reactive agents usage in synthesis of the SrSi<sub>2</sub>O<sub>2</sub>N<sub>2</sub>:Eu<sup>2+</sup> phosphor powders as a structural and optical characteristics control factor</i>	O. Lipina <i>Nd<sup>3+</sup>/Ho<sup>3+</sup>-codoped germanates for near-infrared laser applications</i>	A. Zeinidenov <i>Effects of coherent radiation on the spectral and luminescent characteristics of wheat seeds</i>
L. Lisitsyna <i>W-O emission centers in different phosphores</i>	S. Yamato <i>Scintillation and optical properties of organic crystal scintillators with a high melting point for <math>\alpha</math>-particles detection</i>	R. Huang <i>Luminescent carbon nanodots directly grown on Si-based substrates by chemical vapor deposition</i>
J. Shi <i>White light-emitting and enhanced color stability in a single component host</i>	M. Zamoryanskaya <i>Sources of optical radiation based on scintillators activated by alpha-radioactive isotopes</i>	K. Kamada <i>Mo and W co-doping effects on Ce doped garnet scintillators</i>
V. Đorđević <i>Near-infrared luminescence of Nd activated anatase nanoparticles</i>	E. Zabelina <i>Study of the origin of the defects in La<sub>3</sub>Ga<sub>5,5</sub>Ta<sub>0,5</sub>O<sub>14</sub> single crystals</i>	S. Menon <i>Thermal effects on rapid microwave synthesized green emitting Mn<sup>2+</sup> doped ZnAl<sub>2</sub>O<sub>4</sub></i>

		<i>phosphors</i>
<b>17.45-18.10</b>	<b>Coffee Break</b>	
<b>18.10-19.30</b>	<b>Parallel Sessions</b>	
<b>Main Hall</b>	<b>Hall II</b>	<b>Hall III</b>
<b>Session 21:</b> <i>Session Chairs: S. Feofilov, A. de Andres</i>	<b>Session 22:</b> <i>Session Chairs: D. Pawlack, S. Mitler</i>	<b>Session 23:</b> <i>Session Chairs: J. Nedeljković, M. Allix</i>
Session introductory oral lecture (20 min) G. Ledoux <i>Upconversion for photocatalysis applications</i>	Session introductory oral lecture (20 min) S. Sharma <i>Exploration of rare earth elements and absorption-emission features in rare earth (La-Lu) orthophosphates</i>	A.Kunti <i>Dual mode emitting Ho<sup>3+</sup>/Yb<sup>3+</sup> doped BaWO<sub>4</sub> energy harvesting material for Si-solar cell application</i>
Session introductory oral lecture (20 min) D. Boyer <i>Synthesis and durability investigation of InP/ZnE (E = S, Se) Quantum Dots for LED lighting applications</i>	M. Dyksik <i>Design and optimization of absorber section for mode-locked interband cascade lasers</i>	M. Aslam <i>Lead Free New Perovskites: Band Gap Engineering</i>
V. Makhov <i>Thermal quenching of Mn<sup>4+</sup> luminescence in Sn<sup>4+</sup>-containing garnet hosts</i>	S. Lotarev <i>Ultrafast-laser erasing of laser-written crystalline tracks in oxide glasses</i>	R. Debnath <i>Phononics of Phonon assisted energy transfer in Yb<sup>3+</sup> aided upconversion luminescence of Tm<sup>3+</sup> and Ho<sup>3+</sup> in Solids</i>
		T. Catunda <i>Z-scan and Thermal Mirror measurements in Tb<sup>3+</sup> doped aluminosilicate glasses</i>

<b>Friday, 31 August 2018</b>	
<b>Hotel Institute Simo Milosevic</b>	
<b>9.15-10.45</b>	<b>Session 24: Main Hall</b> <i>Session Chairs: J. Ueda, L. Seijo</i>
9.15-9.40	Invited lecture: P. Sazio <i>Composite Material Optical Fibres – functionalisation with metals, electrodes, semiconductors and 2D materials</i>
9.40-10.05	Invited lecture: S. Mittler <i>Omcvd gold nanoparticles for sensing: a waveguide transmission sensor and an ensemble linewidth narrowing effect</i>
10.05-10.30	Invited lecture: CG. Ma <i>Theoretical insights into the empirical models used in lanthanide and transition-metal spectroscopy</i>
10.30-10.55	Invited lecture: M. Popova <i>Spectral signatures of random lattice deformations in rare-earth-doped crystals</i>
<b>10.55-11.30</b>	<b>Coffee Break</b>

<b>11.30-13.10</b>	<b>Session 25: Main Hall</b> <i>Session Chairs: C. Wickleder, A. Bensalah- Ledoux</i>
11.30-11.55	Invited lecture: J. Zhou <i>Enhanced anti-Stokes' emissions at elevated temperature for ultrasensitive nanothermometry</i>
11.55-12.20	Invited lecture: J. Ueda <i>Ratiometric optical thermometry using deep red luminescence from <math>^4T_2</math> and <math>^2E</math> states of <math>Cr^{3+}</math> in <math>ZnGa_2O_4</math> host</i>
12.20-12.45	Invited lecture: M. Ferrari <i>Photonics glass-ceramics</i>
<b>Closing Ceremony: 12.45-13.00</b>	