

Scientific Program

Sunday, July 9, 2017

*Location: Main hall of the Faculty of Social Sciences, level 200
(Faculty of Social Sciences, University of Gdańsk, Jana Bażyńskiego 4, Gdańsk)*

Time	Event
15:00 – 20:00	Registration

Monday, July 10, 2017

Location: Room S211

Time	Event
8:45– 9:00	Opening ceremony

Session: Phosphors for LED I

Location: Room S211

Session chair: C. Dujardin, K. Toda

Time	Code	Presenting author	Title, authors
09:00 – 09:45	KL1 p. 22	Ru-Shi Liu	Narrow Band Phosphors for the Application in Light-emitting Diodes Ru-Shi Liu
09:45 – 10:15	IL1 p. 26	Hubertus Hintzen	The influence of the M/Si ratio on the luminescence properties of Eu ²⁺ -doped M-Si-N phosphors (M = M ¹⁺ , M ²⁺ , M ³⁺) H.T. Hintzen, Z.J. Zhang and O.M. Ten Kate
10:15 – 10:45	IL2 p. 27	Genevieve Chadeyron	Development of rare-earth-free phosphors and their shaping for LED-based lighting devices G. Chadeyron, D.Boyer, A.Potdevin, P. Bouinaud, D.Zambon, J.P. Roblin and R. Mahiou
10:45 – 11:15		Coffee break	

Session: Nanoscale and low dimensional optical materials I

Location: Room S211

Session chair: R. S. Liu, G. Boulon

Time	Code	Presenting author	Title, authors
11:15 – 11:45	IL3 p. 28	Christophe Dujardin	Unbiased determination of single quantum dot blinking power-law exponents using the autocorrelation function J.Houel, A.Aubret, S.Ferriol, R.Barbier, E.Lhuillier, B.Dubertret, C.Dujardin, F.Kulzer
11:45 – 12:15	IL4 p. 29	Duk Young Jeon	Development of Highly Luminescent and Stable Quantum Rods having Electric field-dependent Photoluminescence Duk Young Jeon, Yonghee Lee, Wonseok Choi, Hyunjin Cho

12:15 – 12:45	IL5 p. 30	Agata Kamińska	Peculiarities of electronic and optical properties of n-type doped GaN/AlN multiquantum wells: experimental and theoretical analysis A. Kaminska, P. Strak, K. P. Korona, E. Monroy and S. Krukowski
12:45 – 14:15		Lunch	

Session: Theory and modeling

Location: Room S211

Session chair: L. Bausa, A. Meijerink

Time	Code	Presenting author	Title, authors
14:15 – 14:45	IL6 p. 31	Luis Seijo	Control of Pr ³⁺ luminescence: Ab initio insight into how electron transfer selects greenish-blue and red emissions Zoila Barandiarán, Marco Bettinelli and Luis Seijo
14:45 – 15:15	IL7 p. 32	Mikhail Brik	First-principles calculations as a powerful tool for the analysis of properties of optical materials Mikhail G. Brik
15:15 – 15:45	IL8 p. 33	Chong-Geng Ma	Recent development on the crystal-field engineering of phosphor materials C.-G. Ma
15:45 – 16:15	IL9 p. 34	Anna Ciechan	Transition metal ions in ZnO: effects of intra-shell Coulomb repulsion on electronic properties A. Ciechan, P. Bogusławski
16:15 – 16:45		Coffee break	

Session: Rare earth spectroscopy I

Location: Room S211

Session chair: M. Brik, H. Hintzen

Time	Code	Presenting author	Title, authors
16:45 – 17:15	IL10 p. 35	Andrzej Suchocki	High pressure luminescence and Raman investigation whitlockite crystals doped with rare-earth ions D. Włodarczyk, K. Kosyl, W. Paszkowicz, Yongjie Wang, Li Li, M. Kosmyna, A. Shekhovtsov, M. Bettinelli, Irene Carrasco, A. Suchocki
17:15 – 17:45	IL11 p. 36	Luisa E. Bausa	Effect of disordered plasmonic networks on the anisotropic luminescence enhancement of Yb ³⁺ doped RbTiOPO ₄ crystal L. Sánchez-García, M. O. Ramírez, J. J. Carvajal, M. Aguiló, F. Díaz and L. E. Bausá
17:45 – 18:15	IL12 p. 37	Eugeniusz Zych	Surprising differences of charge carriers trapping in Lu ₂ O ₃ :Tb- and Lu ₂ O ₃ :Pr-based phosphors Eugeniusz Zych, Dagmara Kulesza, Paulina Bolek
18:15 – 18:45	IL13 p. 38	Wiesław Stręk	Laser stimulated enhancement of tungsten filament incandescence W. Stręk, M. Lukaszewicz, R. Tomala
19:00 – 21:00		Welcome reception	

Tuesday, July 11, 2017

Session: Nanoscale and low dimensional optical materials II

Location: Room S211

Session chair: S. Tanabe, L. Seijo

Time	Code	Presenting author	Title, authors
09:00 – 09:45	KL2 p. 23	John Capobianco	Upconversion Nanoparticles: Drug Delivery John A. Capobianco
09:45 – 10:15	IL14 p. 39	Marek Godlewski	Rare earth doped ZrO ₂ nanoparticles as fluorescent markers for application in medicine Marek Godlewski, Michal M. Godlewski, Jaroslaw Kaszewski, Anna Szal, Anna Slonska, Malgorzata A. Domino, Zdzislaw Gajewski
10:15 – 10:45	IL15 p. 40	Claudia Wickleder	Less Material-More Energy – Novel Nano Phosphors Claudia Wickleder, Huayna Terraschke, Jacob Olchowka, Adrian Mattner
10:45 – 11:15		Coffee break	

Session: Optical materials I

Location: Room S209

Session chair: W. Stręk, M. Ramirez

Time	Code	Presenting author	Title, authors
11:15 – 11:45	IL16 p. 41	Małgorzata Guzik	Towards efficient optical transparent ceramics based on rare earth ions-doped cubic tungstate/molybdate matrices M. Guzik, M. Bieza, E. Tomaszewicz, Y. Guyot, G. Boulon
11:45 – 12:15	IL17 p. 42	Jon-Paul Wells	Spectroscopy and Modelling of the Electronic Structure of Lanthanide Ions in Y ₂ SiO ₅ Jon-Paul R. Wells, Sebastian P. Horvath, Michael F. Reid, Jevon J. Longdell and Phillippe P. Goldner
12:15 – 12:30	O1 p. 64	David Hernández-Pinilla	Self-frequency converter plasmon-assisted solid state nanolaser D. Hernández-Pinilla, P. Molina, J. L. Plaza, C. de las Heras, M. O Ramírez and L. E. Bausá
12:30 – 12:45	O2 p. 65	Mariola Ramirez	Plasmon Enhanced SHG in 2D Patterned Ferroelectric Crystals A. Gómez-Tornero, C. Tserkezis, L. E. Bausá and M.O Ramírez
12:45 – 14:15		Lunch	

Session: Phosphors for LED II

Location: Room S211

Session chair: P. Dereń, D. Y. Jeon

Time	Code	Presenting author	Title, authors
11:15 – 11:45	IL18 p. 43	Jian-Xin Shi	Luminescence Properties and Energy Transfer of YGa _{1.5} Al _{1.5} (BO ₃) ₄ : Tb ³⁺ , Eu ³⁺ as a Multi-colour Emitting Phosphor for WLEDs Jianxin Shi, Junhao Li, Zihan Zhang, Xiaohui Li, Yeye Ai, Jing Yan, Mingmei Wu

11:45 – 12:15	L1 p. 60	Suchinder K. Sharma	Role of $\text{Ca}_9\text{Eu}(\text{VO}_4)_7$ Phosphor Concentration on Luminescence Output of Red-LEDs Suchinder K. Sharma, Marco Bettinelli, Tobias Tingberg, Irene Carrasco, Maths Karlsson
12:15 – 12:30	O3 p. 66	Haikun Liu	Structure and color-tunable luminescence properties of Ce^{3+} and Tb^{3+} -activated $\text{Mg}_2\text{La}_8(\text{SiO}_4)_6\text{O}_2$ phosphors based on energy transfer behavior Haikun Liu, Libing Liao, Qingfeng Guo, Dan Yang and Lefu Mei
12:30 – 12:45	O4 p. 67	Yujie Zhao	Coating of $\text{Sr}_2\text{Si}_5\text{N}_8:\text{Eu}^{2+}$ phosphor powders with Al_2O_3 through gas-phase deposition at atmospheric conditions Yujie Zhao, Melvin Ten Kate, J. Ruud Van Ommen, H.T. (Bert) Hintzen
12:45 – 14:15		Lunch	

Session: Transition metal spectroscopy

Location: Room S211

Session chair: M. Dramicanin, Marek Godlewski

Time	Code	Presenting author	Title, authors
14:15 – 14:45	IL19 p. 44	Setsuhisa Tanabe	Deep red persistent phosphors of Mn^{2+} doped germanate pyroxene with lanthanide sensitizer Yumiko Katayama, Tomohiro Kayumi, Setsuhisa Tanabe
14:45 – 15:15	IL20 p. 45	Jing Wang	Micro/Nano- Luminescent Materials Activated by Transitional Metal ions with $3d^3$ configuration for potential applications in display and bioimaging Jing Wang, Lin Huang, Rui Zou
15:15 – 15:30	O5 p. 68	Reinert Verstraete	Valence State Changes of Mn in Fluorides R. Verstraete, H. F. Sijbom, J. J. Joos, K. Korthout, D. Poelman, P. F. Smet
15:30 – 15:45	O6 p. 69	Marek Grinberg	Comprehensive, quantum model describing the luminescence lineshape and lifetime in Mn^{4+} doped fluorides M. Grinberg, T. Leśniewski, S. Mahlik, R. S. Liu
15:45 – 16:00	O7 p. 70	Marco Kirm	Controlling Mn^{4+} emission in silicate garnet phosphors $\text{CaY}_2\text{M}_2\text{Al}_2\text{SiO}_{12}$ and $\text{CaY}_2\text{M}_2\text{MgSi}_2\text{O}_{12}$ ($M = \text{Al}, \text{Ga}, \text{Sc}$) by host material engineering M. Kirm, T. Jansen, T. Jüstel, M. G. Brik, N. M. Khaidukov, V. N. Makhov, V. Nagirnyi, M. Oja, S. Vielhauer
16:00 – 16:15	O8 p. 71	Jorma Hölsä	Time Resolved Spectroscopic Study of Diamond Substitute Material $\text{YAG}:\text{Eu}, \text{Hf}$ J. Hölsä, J. Lindblom, H. Häkkänen, L.I. Kazakova, H.C. Swart, M. Lastusaari
16:15 – 18:15		Coffee break and poster session	

Wednesday, July 12, 2017

Session: Phosphors and scintillators I

Location: Room S211

Session chair: R. Reisfeld, J. Hölsä

Time	Code	Presenting author	Title, authors
09:00 – 09:45	KL3 p. 24	Martin Nikl	Variable charge state of fast emitting rare earth dopants: An optimization tool in wide band-gap scintillators Martin Nikl
09:45 – 10:15	IL21 p. 46	Kenji Toda	Beyond the Kinetics and Thermodynamics: Magic Synthesis Methods for the Phosphor Materials Kenji Toda
10:15 – 10:45	IL22 p. 47	Georges Boulon	Pr ³⁺ -doped 20Al(PO ₃) ₃ -80LiF glass as potential scintillator for neutron detection M. J. F. Empizo, Y. Minami, K. Kawano, K. Yamanoi, T. Shimizu, N. Sarukura, T. Murata, M. Cadatal-Raduban, M. Guzik, Y. Guyot and G. Boulon
10:45 – 11:00	O9 p. 72	Seok Bin Kwon	Luminous characteristics and of Al ₂ O ₃ /YAG:Ce ³⁺ ceramic converter phosphor plate for automotive lighting Seok Bin Kwon, Young Hyun Song, Chul Woo Lee, Seung Hee Cho and Dae Ho Yoon
11:00 – 11:30		Coffee break	

Session: Nanoscale and low dimensional optical materials III

Location: Room S209

Session chair: S. Lis, A. Suchocki

Time	Code	Presenting author	Title, authors
11:30 – 11:45	O10 p. 73	Haoshuo Li	Growth Mechanism of Surfactant-Free Size-Controlled Luminescent Hydroxyapatite Nanocrystallites H. Li, Lefu Mei, Yangai Liu, Libing Liao, Haikun Liu
11:45 – 12:00	O11 p. 74	Chul Woo Lee	Fully-Inorganic Based Cesium Lead Bromide (CsPbBr ₃) Perovskite Nanocrystal for White Light Chul Woo Lee, Seung Hee Choi, Seok Bin Kwon, Jung Hyeon Yoo, Young Hyun Song and Dae Ho Yoon
12:00 – 12:15	O12 p. 75	Fei Li	In Situ Cosubstitution in Doped All-Inorganic Perovskite Nanocrystals Fei Li, Zhiguo Xia
12:15 – 12:30	O13 p. 76	Damien Boyer	Development of quantum dots based luminescent composites for LED lighting D. Boyer, Rachod Boonsin, Florian Donat, Raphaël Schneider, Philippe Boutinaud, Geneviève Chadeyron
12:30 – 12:45	O14 p. 77	Grzegorz Leniec	Magnetic properties of NaY _{1-x} -yHo _x Yb _y (WO ₄) ₂ x=0,05; y=0,02, KY _{1-x} -yHo _x Yb _y (WO ₄) ₂ ; x=0.02; y=0.01 nanopowders obtained by Pechini and hydrothermal methods S. M. Kaczmarek, G. Leniec, L. Macalik, P. Ropuszyńska-Robak, J. Hanuza

12:45 – 13:00	O15 p. 78	Volodymyr Tsimura	Luminescent properties of $\text{YVO}_4:\text{Bi}^{3+}, \text{Eu}^{3+}$ nanoparticles obtained by template synthesis V. Tsimura, T. Malyi, O. Myagkota, A. Zhyshkovich, Y. Chornodolsky, V. Vistovsky, A. Zaichenko, A. Voloshinovskii, G. Stryganyuk, A. Suchocki
13:00 – 22:00		Lunch and excursion	

Session: Phosphors and scintillators II

Location: Room S211

Session chair: M. Nikl, M. Wu

Time	Code	Presenting author	Title, authors
11:30 – 12:00	IL23 p. 48	Yuriy Zorenko	Scintillators and phosphors based on the single crystalline films of oxide compounds: recent progress, new materials and new applications Yuriy Zorenko
12:00 – 12:30	IL24 p. 49	Akira Yosikawa	Growth, optical and scintillation properties of directionally solidified eutectic systems Akira Yoshikawa, Kei Kamada, Shunsuke Kurosawa, Yuui Yokota, Akihiro Yamaji, Valery I. Chani, Yuji Ohashi
12:30 – 12:45	O16 p. 79	Andrzej Wojtowicz	Time and excitation resolved emission spectra of VUV excited $\text{BaF}_2:\text{Er}$ and $(\text{Ba},\text{La})\text{F}_2:\text{Er}$ Andrzej J. Wojtowicz
12:45 – 13:00	O17 p. 80	Winicjusz Drozdowski	Scintillation Properties of $\text{Gd}_3\text{Al}_2\text{Ga}_3\text{O}_{12}:\text{Ce}$ (GAGG:Ce): a Comparison Between Monocrystalline and Nanoceramic Samples W. Drozdowski, Marcin E. Witkowski, Piotr Solarz, Paweł Głuchowski, Michał Głowacki and Kamil Brylew
13:00 – 22:00		Lunch and excursion	

Thursday, July 13, 2017

Session: Upconversion materials and applications

Location: Room S211

Session chair: J. Capobianco, E. Zych

Time	Code	Presenting author	Title, authors
09:00 – 09:45	KL4 p. 25	Andries Meijerink	Upconversion Nanoparticles: Fundamentals and Applications Andries Meijerink, Robin Geitenbeek, Tim Prins, Zijun Wang, Rosa Martin-Rodriguez, Stefan Fischer, Bert Weckhuysen, Alfons van Blaaderen and Freddy Rabouw
09:45 – 10:15	IL25 p. 50	Mingmei Wu	Rational Design and Preparation of Down- and Up-conversion Phosphors to Enhanced Red Emissions Mingmei Wu, Jianxin Shi, Junhao Li, Dawei Wen, Qiang Zhou, Zhengliang Wang

10:15 – 10:45	IL26 p. 51	Gilles Ledoux	Harvesting light through upconversion for photocatalysis applications G. Ledoux, B. Mahler, M.-F.Joubert, C. Dujardin, Y.Chen, S. Mishra, E.Jeanneau, M. Daniel, J. Zhang, S. Daniele
10:45 – 11:15		Coffee break	

Session: Optical materials II

Location: Room S209

Session chair: J. P. Wells, Y. Zorenko

Time	Code	Presenting author	Title, authors
11:15 – 11:45	L2 p. 61	Jacob Olchowka	Ionic Liquids-assisted Synthesis of Fluoridic Nanoparticles as Luminescent Materials Jacob Olchowka, Claudia Wickleder
11:45 – 12:00	O18 p. 81	Arkadiusz Mandowski	Identification of defect-related recombination mechanisms in crystalline phosphors E. Mandowska, A. Mandowski
12:00 – 12:15	O19 p. 82	Atul Sontakke	Amorphous Yttrium-Aluminum-Borate luminescent powders obtained by sol-gel/Pechini method: Dopant-free phosphors for wLEDs A. D. Sontakke, P. Burner, M. Salaün, A. Ferrier, M. Bardet, J. M. Mouesca, V. Maurel, I. Gautier-Luneau, A. Ibanez and B. Viana
12:15 – 12:30	O20 p. 83	Moshe Porat	Compression of fluorescence microscopy imaging using inter-component correlation Moshe Porat
12:30 – 12:45	O21 p. 84	Sergiy G. Nedilko	Oxide-polymer micro/nanocomposites as “old” and new optical materials S.G. Nedilko
12:45 – 14:15		Lunch	

Session: Rare earths spectroscopy II

Location: Room S211

Session chair: Y. Zhydachevskii, J. Wang

Time	Code	Presenting author	Title, authors
11:15 – 11:30	O22 p. 85	Lidia Zur	Er-doped SiO ₂ -SnO ₂ glass ceramics for photonics – from the synthesis to the device L. Zur, L. T. N. Tran, D. Massella, A. Vaccari, A. Chiasera, S. Varas, C. Armellini, M. Sołtys, D. Zonta, T. T. V. Tran, A. Lukowiak, W.A. Pisarski, S. Taccheo, R. Ramponi, G.C. Righini, Y. G. Boucher, M. Ferrari
11:30 – 11:45	O23 p. 86	Rafał Janicki	Thermodynamics of hydration equilibrium derived from the UV-vis spectra of solid state Rafał Janicki, Anna Mondry
11:45 – 12:00	O24 p. 87	Bartosz Bondzior	Cr ³⁺ as a structural probe in (Ba,Ca) ₂ Mg(BO ₃) ₂ B. Bondzior, Natalia Miniajluk, Przemysław J. Dereń
12:00 – 12:15	O25 p. 88	Shikao Shi	Rare earth Luminescence in nanoceramics and its composites S. Shi, Lina Wang, Keyan Li, Shuping Wang, Lianshe Fu

12:15 – 12:30	O26 p. 89	Damian Wlodarczyk	Optical studies of BaWO ₄ :Ce D. Wlodarczyk, M. Berkowski, M. Głowacki, S. Kaczmarek, Z. Kowalski, A. Wittlin, H Przybylinska, L-I Bulyk, Ya. Zhydachevskii, A. Suchocki
12:30 – 12:45	O27 p. 90	Roman Shendrik	Optical spectroscopy of Cs ₂ R _{0.5} Ln _{0.5} ZrTi(MoO ₄) _{6.5} (R=Tb, Eu; Ln=Gd,Yb) complex rare earth molybdates R. Shendrik, S. G. Dorzhieva, O. D. Chimitova, B. G. Bazarov, Yu. L. Tushinova, Z. G. Bazarova
12:45 – 14:15		Lunch	

Session: Optical materials III

Location: Room S209

Session chair: A. Mandowski, G. Chadeyron

Time	Code	Presenting author	Title, authors
14:15 – 14:30	O28 p. 91	Magdalena Bieza	Yb ³⁺ ion structural probe in new potential candidates for transparent optical ceramics: comparative analysis of cubic La ₂ Mo ₂ O ₉ and La ₂ MoWO ₉ M. Bieza, M. Guzik, E. Tomaszewicz, Y. Guyot, G. Boulon
14:30 – 14:45	O29 p. 92	Victor Castaing	Deep red persistent luminescence in ZnGa ₂ O ₄ :Cr ³⁺ transparent glass ceramics Victor Castaing, A. D. Sontakke, A. J. Fernández Carrión, M. Allix and B. Viana
14:45 – 15:00	O30 p. 93	Bohdan Padlyak	Resonant excited UV luminescence of the Gd ³⁺ centres in borate glasses, co-doped with Gd and Ag B.V. Padlyak, A. Drzewiecki, T.B. Padlyak, V.T. Adamiv, I.M. Teslyuk
15:00 – 15:15	O31 p. 94	Michał Piasecki	Influence of the structure and temperature on the luminescence properties of chalcogenide and oxide glasses M.Piasecki, N.Veeraiah, V.V. Halyan, I.V. Kityk, M.G.Brik
15:15 – 15:30	O32 p. 95	Adam Watras	Spectroscopic properties of unusual oxidation state of bismuth ions (Bi ²⁺) obtained in Ca ₉ KMg(PO ₄) ₇ Adam Watras, Przemysław J. Dereń, Philippe Boutinaud
15:30 – 15:45	O33 p. 96	Beata Malysa	Near Infrared Broad Band Emission of Cr ³⁺ in (Sr,Ca)Sc ₂ O ₄ Beata Malysa, Andries Meijerink and Thomas Jüstel
15:45 – 16:15		Coffee break	

Session: Rare earths spectroscopy III

Location: Room S211

Session chair: M. Guzik, J. X. Shi

Time	Code	Presenting author	Title, authors
14:15 – 14:30	O34 p. 97	Yongjie Wang	Spectroscopic properties of Y ₄ Al ₂ O ₉ :Ce crystals under high pressure Yongjie Wang, R. Hrubiaak, W. Paszkowicz, K. Kosyl, A. Suchocki, A. Kaminska, Ya. Zhydachevskii, S. Turczyński, D.A. Pawlak, M. Malinowski

14:30 – 14:45	O35 p. 98	Yuan-Chih Lin	Thermal Quenching in YAG:Ce ³⁺ : 5d-4f crossover or thermally-activated ionization? Yuan-Chih Lin, Marco Bettinelli, Suchinder K. Sharma and Maths Karlsson
14:45 – 15:00	O36 p. 99	Yuanyuan Zhang	Spectroscopic and pump power dependent color-tunable upconversion studies of Yb ³⁺ /Er ³⁺ -doped Sr ₂ ScF ₇ Yuanyuan Zhang, Lefu Mei, Haikun Liu, Zhaohui Huang
15:00 – 15:15	O37 p. 100	Yaroslav Zhydachevskyy	Quantum efficiency of the down-conversion process in Bi ³⁺ -Yb ³⁺ co-doped YAM and YAG phosphors Ya. Zhydachevskyy, V. Tsiurma, M. Baran, L. Lipińska, I.I. Syvorotka, A. Wierzbička, J. Barzowska, A. Suchocki
15:15 – 15:30	O38 p. 101	Simon Michels	A highly sensitive phosphor that can deal with the pressure Simon Michels, Ang Feng, Robin Petit, Mathias Kersemans, Alfredo Lamberti, Philippe F. Smet
15:30 – 15:45	O39 p. 102	Evgeny Radzhabov	Spectroscopy of divalent samarium in alkaline earth fluorides E.A. Radzhabov
15:45 – 16:15		Coffee break	

Session: Nanoscale and low dimensional optical materials IV

Location: Room S211

Session chair : T. M. Chen, A. Wojtowicz

Time	Code	Presenting author	Title, authors
16:15 – 16:45	IL27 p. 52	Przemysław Dereń	Resizing of nanocrystals and playing with dopant concentration - two ways to affect the optical properties of a host Przemysław J. Dereń, Natalia Miniajłuk, Dagmara Stefańska, Wiktoria Walerczyk Bartosz Bondzior, Karol Lemański, Adam Watras
16:45 – 17:15	IL28 p. 53	Miroslav Dramicanin	Multifunction applications of lanthanide doped ultra-small vanadate and phosphate nanoparticles Miroslav D. Dramićanin, Dragana J. Jovanović, Slobodan Dolić, Tamara Gavrilović, Jovana Burojević and Jelena Papan
17:15 – 17:45	IL29 p. 54	Stefan Lis	Luminescent nanomaterials based on rare earth ions: from effective inorganic nanoluminophores to multifunctionalized hybrids and applications Stefan Lis, Marcin Runowski, Agata Szczeszak, Tomasz Grzyb, Szymon Goderski, Artur Tymiński, Andrii Shyichuk, Nina Kaczorowska, Natalia Jurga
17:45 – 18:15	L3 p. 62	Michał Godlewski	Organism circulation and elimination of biodegradable wide band-gap nanoparticles for the applications in biology and medicine M. M. Godlewski, P. Kielbik, B. Dominiak, J. Kaszewski, E. Wolska, B. S. Witkowski, M. A. Gralak, Z. Gajewski, M. Godlewski
19:00 – 22:00		Bonfire	

Friday, July 14, 2017

Session: Rare earths spectroscopy IV

Location: Room S211

Session chair: A. Kamińska, W. Gruszecki

Time	Code	Presenting author	Title, authors
09:00 – 09:30	IL30 p. 55	Miki Hasegawa	Luminescence and nature of electrons of a series of helicate lanthanide complexes Miki Hasegawa
09:30 – 10:00	IL31 p. 56	Shunsuke Kurosawa	Comprehensive Study of Pyrochlore Phosphors doped with Rare Earths - Optical properties, Temperature dependence Shunsuke Kurosawa, Takahiko Horiai, Masahito Yoshino, Rikito Murakami, Vitezslav Jary, Akihiro Yamaji, Jan Pejchal, Shinnosuke Yamato, Shohei Kodama, Yuji Ohashi, Kei Kamada, Yuui Yokota, Akira Yoshikawa, Akimasa Onishi, Mamoru Kitaura, Martin Nikl
10:00 – 10:15	O40 p. 103	Vladimir Pankratov	FINESTLUMI – the setup for luminescence spectroscopy under synchrotron radiation excitations Vladimir Pankratov, Sebastian Vielhauer, Paavo Turunen, Rainer Pärna, Marco Kirm, Ergo Nõmmiste and Marko Huttula
10:15 – 10:45		Coffee break	

Session: Rare earth spectroscopy V

Location: Room S211

Session chair: M. Hasegawa, S. Kurosawa

Time	Code	Presenting author	Title, authors
10:45 – 11:15	IL32 p. 57	Teng-Ming Chen	Research Progress and Development in Rare Earth-Activated Thiosilicate and Halothiosilicate Phosphors Teng-Ming Chen, Szu-Ping Lee, Ting-Shan Chan
11:15 – 11:45	IL33 p. 58	Wieslaw I. Gruszecki	Localization, orientation and molecular organization of fluorescing molecules in a single lipid bilayer Wieslaw I. Gruszecki, Wojciech Grudzinski, Rafal Luchowski, Renata Welc
11:45 – 12:15	IL34 p. 59	Renata Reisfeld	Luminescence in glasses as a possible solution to solar energy utilization R. Reisfeld, V. Levchenko
12:15 – 12:30		Closing ceremony	
12:30 – 14:00		Lunch	

Poster session

Code	Presenting author	Title, authors
P01 p. 106	Paulraj Arunkumar	Surface-Passivated Fluoride Phosphor for Optoelectronic Devices Paulraj Arunkumar and Won Bin Im
P02 p. 107	Anna Baran	Study of optical properties of LiMgPO ₄ :Eu phosphor Anna Baran, Sebastian Mahlik, Marek Grinberg, Sun Il Kim, Hyo Jin Seo
P03 p. 108	Mirosław Behrendt	Spectroscopic properties and location of the Tb ³⁺ and Eu ³⁺ energy levels in Y ₂ O ₂ S under high hydrostatic pressure M. Behrendt, S. Mahlik, K. Szczodrowski, B. Kukliński, M. Grinberg
P04 p. 109	Piotr Bojarski	Nile Red/TiO ₂ based plasmonic platforms A.Synak, B. Grobelna, D.Głowaty, P. Bojarski
P05 p. 110	Bartosz Brzostowski	Electronic and optical properties of Ca ₂ (Al _(1-x) Mg _x)(Al _(1-x) Si _(1+x))O ₇ doped with Eu Bartosz Brzostowski, Grzegorz Banach, Przemysław J. Dereń, Dagmara Stefańska
P06 p. 111	Victor Castaing	Red persistent luminescence in Pr ³⁺ doped niobates Victor Castaing, L. Li, A. D. Sontakke, M. Peng, D. Rytz and B. Viana
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