



**XX INTERNATIONAL
CONFERENCE
ON LUMINESCENCE AND LASER PHYSICS,
DEVOTED TO 30TH ANNIVERSARY OF
IRKUTSK BRANCH OF INSTITUTE OF
LASER PHYSICS**

SB RAS

LLPH-2025

P R O G R A M

Irkutsk

30 June - 4 July

2025

**Irkutsk Branch of Institute of Laser Physics SB RAS
Institute of Geochemistry SB RAS
Irkutsk State University
Irkutsk Department of Siberian Branch of Russian Academy of Sciences
Siberian Branch of Russian Academy of Sciences
Council of young scientists of Institute of Laser Physics SB RAS
Scientific Council on optics and photonics of Russian Academy of Sciences
Scientific Council on condensed matter physics of Russian Academy of Sciences**



XX INTERNATIONAL CONFERENCE ON LUMINESCENCE AND LASER PHYSICS

LLPH-2025

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**Irkutsk, Russia,
30 June – 4 July 2025.**



**XX INTERNATIONAL
CONFERENCE ON
LUMINESCENCE AND LASER PHYSICS**

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The Chair of the conference

Professor Martynovich Evgeniy Fedorovich.

Program Committee

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Organizing Committee

V.P. Dresvyanskiy (chair) A.A. Shalaev (vice-chair), F.A. Stepanov (scientific secretary), A.V. Kuznetsov (scientific secretary for international contacts), M.A. Arsent'eva, N.S. Bobina, A.I. Bogdanov, S.V. Boychenko, O.I. Chachanagova, N.G. Chuklina, A.S. Emelyanova, A.S. Frolova, T.Yu. Garmysheva, S.A. Gladkikh, D.S. Glazunov, Ya.I. Grigorov, N.D. Krivosheev, N.L. Lazareva, N.T. Maksimova, S.V. Murzin, A.A. Myasnikova, E.A. Protasova, R.Yu. Shendrick, A.E. Shipunova, D.O. Sofich, R.A. Taziev, S.Yu. Terenin, A.A. Tyutrin, E.A. Vladimirova.

Languages of the conference

Russian, English.

Contacts

E-mail: LLPh@bk.ru. Official site of the conference: <https://llph.ru/>



**XX INTERNATIONAL
CONFERENCE ON
LUMINESCENCE AND LASER PHYSICS**

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(IB ILP SB RAS), Organizing Committee LLPh-2025. Phone: +79149147048,
Phone/Fax: (3952) 51-14-38.

GENERAL INFORMATION about conference

The conference program includes invited lectures (30 minutes) of leading scientists, as well as oral reports (15 minutes) and poster presentations of scientists, postgraduates and students in the field of laser physics and luminescence. The time for discussion of each report is 5-10 minutes.

The conference provides for parallel work of the thematic sections:

- Luminescence and its applications.
- Laser physics and its applications.
- Optics of artificial quantum systems.
- Production technologies, radiation and luminescent properties of optical materials.

The program of plenary sessions includes invited lectures of Russian and foreign scientists on topical issues in the field of luminescence and laser physics.

A significant part of the program is devoted to scientific reports of young scientists, graduate students and students. Within the framework of the conference, a competition of scientific reports among students, postgraduates, young researchers and engineers with diplomas will be held. Young scientists under the age of 35 who present oral reports or poster presentations at the conference will take part in the contest. Reports (including poster presentations) participating in the competition are marked in the program with the abbreviation **(C)**.

The awarding ceremony of the winners of the contest of scientific reports of young scientists will be held at the final plenary session of the conference on July 4 at 13.00.



**XX INTERNATIONAL
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**PROGRAM
of plenary and section sessions**

30 June, Monday

Registration of conference participants

8-30 – 11-00

***V.G. Rasputin scientific library of ISU, Irkutsk,
Lermontova str., 124 (hall)***

11-00 – 11-30

Conference opening

***conference hall
№ 501, 5th floor***

Chair of the conference,

Professor Martynovich Evgeniy Fedorovich, Doct. Sc.

Greeting word to the conference participants.

Speech

5 minutes

Director of V.N. Matrosov Institute for System Dynamics and Control Theory SB RAS, member of Presidium of RAS, Academician of RAS Bychkov Igor Vyacheslavovich.

Greeting word to the conference participants.

Speech

5 minutes

Director of Irkutsk Department of the Siberian Branch of the Russian Academy of Sciences, corresponding member of RAS Gladkochub Dmitry Petrovich.

Greeting word to the conference participants.

Speech

5 minutes

Director of Institute of Laser Physics SB RAS, Prudnikov Oleg Nikolaevich.

Approval of the composition of the contest committee.

Speech

5 minutes

Chair of the Organizing Committee of the conference Dresvyansky Vladimir Petrovich.

11-30 – 12-45

***conference hall
№ 501***

1st plenary session

Chair – Professor Martynovich Evgeniy Fedorovich, Doct. Sc.

Invited lecture

30 minutes

**O.N. Prudnikov, A.N. Goncharov, S.V. Chepurov,
A.V. Taichenachev, V.I. Yudin**

Precision quantum metrology and its applications.

Director of Institute of Laser Physics SB RAS, Prudnikov Oleg Nikolaevich, Doct. Sc.



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<i>Invited lecture</i> <i>30 minutes</i>	I.A. Zyatikov, V.F. Losev, D.M. Lubenko, S.V. Alekseev. Generation of highly directed supercontinuum in nitrogen. Principal researcher, High Current Electronics Institute SB RAS, Professor Losev Valeriy Fedorovich, Doct. Sc.
12-45 – 13-00	<i>Organized photo-shooting (main entrance)</i>
13-00 – 14-30	<i>Lunch break</i>
14-30 – 17-00 <i>conference hall</i> <i>№ 501, 5th floor</i>	<i>Celebratory session, dedicated to the 30th anniversary of Irkutsk Branch of Institute of Laser Physics SB RAS,</i> <i>Chair – Dresvyansky Vladimir Petrovich, Doct. Sc.</i>
14-30 – 14-45	The history of formation of Irkutsk Branch of Institute of Laser Physics SB RAS. Head of Irkutsk Branch of Institute of Laser Physics SB RAS, Dresvyansky Vladimir Petrovich, Doct. Sc, Docent.
14-45 – 15-15	Laser-luminescent methods and technologies of Irkutsk Branch of Institute of Laser Physics SB RAS. Principal researcher, scientific advisor of the basic project of Irkutsk Branch of Institute of Laser Physics SB RAS, Professor Martynovich Evgeniy Fedorovich, Doct. Sc.
15-15 – 17-00	Congratulatory speeches of the conference participants and honored guests
17-00 – 19-00	<i>Buffet-supper (hall, upper foyer)</i>

1 July, Tuesday

*9-00 – 10-40
conference hall
№ 501*

2nd plenary session

Chair – Professor Losev Valeriy Fedorovich, Doct. Sc.

Invited lecture
30 minutes

M.V. Okhapkin, O.N. Prudnikov, A.V. Taichenachev, V.I. Yudin.
Nuclear optical clocks.
Principal researcher, Institute of Laser Physics SB RAS, corresponding member of RAS Taichenachev Aleksey Vladimirovich, Doct. Sc.

Invited lecture
30 minutes

I.F. Shaikhislamov, A.A. Chibrarov, A.G. Berezutskiy, V.G. Posukh, M.S. Rumenskikh, M.V. Loginov, A.E. Ivanov, P.A. Trushin, Yu.P. Zakharov, I.B. Miroshnichenko. **Experimental modeling of collimated plasma flows.**
Deputy Director, Institute of Laser Physics SB RAS, Shaikhislamov Ildar Faritovich, Doct. Sc.

Invited lecture
30 minutes

V. Pankratov.
Swift heavy ions induced radiation defects in relevant scintillator materials.
Leading researcher, Institute of Solid State Physics, University of Latvia, corresponding member of Latvian Academy of Sciences, Doctor Pankratov Vladimir.

10-40 – 11-00

Coffee-break (hall, upper foyer)

*11-00 – 12-40
conference hall
№ 501*

3rd plenary session

Chair – Prudnikov Oleg Nikolaevich, Doct. Sc.

Invited lecture
30 minutes

A.I. Nepomnyashchikh, A.P. Zhaboedov, T.Yu. Garmysheva, E.V. Kaneva, S.Yu. Terenin, M.Yu. Rybyakov, A.M. Fedorov, A.K. Subanakov.
Polymorphic transformations in silicon dioxide.
Principal researcher, A.P. Vinogradov Institute of Geochemistry SB RAS, Professor Nepomnyashchikh Aleksandr Iosifovich, Doct. Sc.

<i>Report (C)</i> <i>15 minutes</i>	<p>D.O. Sofich, A.I. Bogdanov, V.A. Pankratov, V.V. Pankratova, R.Yu. Shendrik. Development of scintillators emitting in the near-infrared region. Senior researcher, A.P. Vinogradov Institute of Geochemistry SB RAS, Sofich Dmitriy Olegovich, Cand. Sc.</p>
<i>Report (C)</i> <i>15 minutes</i>	<p>N.P. Bezlepkina, O.N. Tchaikovskaya, O.K. Bazyl', G.V. Mayer. Spectral luminescent properties of sulfonamide after UV irradiation in aqueous solution. Research engineer, National Research Tomsk State University, Bezlepkina Nadezhda Pavlovna.</p>
<p><i>14-00 – 15-30</i> <i>conference hall</i> <i>№ 515</i></p> <p><i>1st session of the thematic section</i> «LASER PHYSICS AND ITS APPLICATIONS» <i>Chair – Shaikhislamov Ildar Faritovich, Doct. Sc.</i></p>	
<i>Report</i> <i>15 minutes</i>	<p>A.A. Gunyaga, M.V. Durnev, S.A. Tarasenko Second harmonic generation due to the spatial structure of a radiation beam. Senior researcher, A.F. Ioffe Physical-Technical Institute RAS, Durnev Mikhail Vasilyevich, Doct. Sc.</p>
<i>Report</i> <i>15 minutes</i>	<p>S.V. Alekseev, V.F. Losev, Yu.N. Panchenko. Formation of narrow-band radiation in an alexandrite laser. Junior researcher, High Current Electronics Institute SB RAS, Alekseev Sergey Vladimirovich</p>
<i>Report (C)</i> <i>15 minutes</i>	<p>A.P. Vyalykh, A.V. Semenko, G.S. Belotelov, D.V. Sutyrin. Towards a compact laser cooling system for ytterbium atoms based on a Fresnel reflector. Junior researcher, All-Russian Scientific Research Institute for Physical-Engineering and Radiotechnical Metrology, Vyalykh Anton Pavlovich.</p>
<i>Report (C)</i> <i>15 minutes</i>	<p>H. Diab. Generation of infrared and visible radiation in solid-state lasers. Institute of Laser Physics SB RAS, Hala Diab</p>
<i>Report (C)</i> <i>15 minutes</i>	<p>N.N. Davletshin, A.M. Vyunyshev. Analysis of images obtained by ghost microscopy. Junior researcher, L.V. Kirensky Institute of Physics SB RAS, Davletshin Nikolay Nikolaevichh.</p>

15-30 – 16-00

Coffee-break (hall, upper foyer)

16-00 – 18-00

Sessions of the thematic sections

16-00 – 18-00
conference hall
№ 501

*2nd session of the thematic section
«LUMINESCENCE AND ITS APPLICATIONS»*

Chair – Shendrik Roman Yuryevich, Cand. Sc.

Report

15 minutes

E.A. Padzhabov.

F center luminescence in BaF₂.

Principal researcher, A.P. Vinogradov Institute of Geochemistry SB RAS, Radzhabov Evgeniy Aleksandrovich, Doct. Sc.

Report

15 minutes

E.V. Malchukova. On Eu(III) reduction in alumoborosilicate glass.

A.F. Ioffe Physical-Technical Institute RAS,
Malchukova Evgeniya Valeryevna, Doct. Sc.

Report

15 minutes

E.F. Polisadova, N.D. Tran.

Luminescent properties of alumomagnesium spinel doped with Er³⁺, Mn²⁺, Eu³⁺ ions and prospects for its application in LED technologies.

Professor, National Research Tomsk Polytechnic University,
Polisadova Elena Fedorovna, Doct. Sc.

Report (C)

15 minutes

Ya.I. Grigorov, E.F. Martynovich.

Method for measuring afterglow of luminescence.

Production engineer, student, Irkutsk Branch of Institute of Laser Physics SB RAS, Grigorov Yaroslav Ivanovich.

Report (C)

15 minutes

E.A. Podshivaylov, P.A. Frantsuzov.

The model of sub-bandgap light induced all-optical luminescence switching of lead-halide perovskite microcrystals.

Graduate student, V.V. Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Podshivaylov Eduard Andreevich.

Report (C)

15 minutes

D.A. Tavrunov, V.A. Pustovarov.

Ultraviolet upconversion luminescence and energy transfer in wide-band crystals doped with Pr³⁺ ions.

Graduate student, Ural Federal University,
Tavrunov Dmitriy Andreevich.

<p>16-00 – 18-00 conference hall № 515</p>	<p><i>2nd session of the thematic section</i> «LASER PHYSICS AND ITS APPLICATIONS» <i>Chair – Durnev Mikhail Vasilyevich, Doct. Sc.</i></p>
<p><i>Report</i> 15 minutes</p>	<p>R.Ya. Ilenkov, O.N. Prudnikov, A.V. Taichenachev, V.I. Yudin. Kinetics of laser cooling of ¹⁹⁹Hg atoms in bichromatic field. Institute of Laser Physics SB RAS, Ilenkov Roman Yaroslavovich, Cand. Sc.</p>
<p><i>Report</i> 15 minutes</p>	<p>E.G. Saprykin, A.A. Chernenko. Coherent effects in nonlinear spectroscopy of counterpropagating waves. Senior researcher, A.V. Rzhanov Institute of Semiconductor Physics SB RAS, Chernenko Aleksandr Alekseevich, Cand. Sc.</p>
<p><i>Report (C)</i> 15 minutes</p>	<p>E.K. Rozhkov, K.A. Barantsev, G.V. Voloshin, A.N. Litvinov. Diffusion of alkali metal atoms in a gas cell under interaction with bichromatic laser radiation. Student, Alferov University, Rozhkov Yegor Kirillovich.</p>
<p><i>Report (C)</i> 15 minutes</p>	<p>M.R. Shabanova, A.P. Vyalykh, A.V. Kokhanov, V.V. Dmitrieva, A.V. Semenko, G.S. Belotelov, D.V. Sutyryn. The current state of development of a compact magneto-optical trap based on an atom chip for ytterbium atoms. Technician, All-Russian Scientific Research Institute for Physical-Engineering and Radiotechnical Metrology, Shabanova Mira Romanovna.</p>
<p><i>Report (C)</i> 15 minutes</p>	<p>M.S. Rumenskikh, M.P. Golubovsky, I.F. Shaikhislamov. Laboratory modeling of transit absorption in exoplanet atmospheres. Institute of Laser Physics SB RAS, Rumenskikh Marina Sergeevna, Cand. Sc.</p>
<p><i>Report (C)</i> 15 minutes</p>	<p>M.P. Golubovsky, I.F. Shaikhislamov. Modeling an experiment to measure reaction rates critical for calculating the population of metastable helium levels. Institute of Laser Physics SB RAS, Golubovsky Maksim Petrovich</p>
<p>18-30 – 20-00</p>	<p><i>Sports competition (sports ground near the building of Limnological Institute SB RAS)</i></p>



**XX INTERNATIONAL
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2 July, Wednesday

*09-00 – 10-40
conference hall
№ 501*

4th plenary session

Chair – Professor Martynovich Evgeniy Fedorovich, Doct. Sc.

*Invited lecture
30 minutes*

S.A. Babin.

Random connection and nonlinear interaction of modes in optical fibers of various types.

Director of Institute of Automation and Electrometry SB RAS, Academician of RAS Babin Sergey Alekseevich, Doct. Sc.

*Invited lecture
30 minutes*

D.A. Gorin.

Application of nano- and microstructured materials and photonics in biology and medicine.

Professor, Skolkovo Institute of Science and Technology, Professor Gorin Dmitriy Aleksandrovich, Doct. Sc.

*Invited lecture
30 minutes*

B.G. Sukhov.

Multifunctional nano-bio-composites.

Leading researcher, V.V. Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Sukhov Boris Gennadyevich, Cand. Sc.

10-40 – 11-00

Coffee-break (hall, upper foyer)

11-00 – 12-30

Sessions of the thematic sections

*11-00 – 12-30
conference hall
№ 501*

3rd session of the thematic section

«LUMINESCENCE AND ITS APPLICATIONS»

Chair – Professor Gorin Dmitriy Aleksandrovich, Doct. Sc.

*Report
15 minutes*

I.S. Trukhan, M.D. Gotsko, N.N. Dremina, I.V. Saliy, A.L. Rakevich, I.A. Shurygina, M.G. Shurygin, V.P. Dresvyansky.

Changes in the properties of pyrrolyl dicyanoaniline during uptake by Ehrlich ascites carcinoma cells.

Senior researcher, Irkutsk Scientific Center of Surgery and Traumatology, Trukhan Irina Sergeevna, Cand. Sc.

*Report (C)
15 minutes*

E.A. Vladimirova, E.F. Martynovich.

Diagnosis of *Trichostasis spinulosa* using confocal laser luminescence microspectroscopy methods.

Leading electronics engineer, Irkutsk Branch of Institute of Laser Physics SB RAS, Vladimirova Elizaveta Aleksandrovna.

<i>Report (C)</i> <i>15 minutes</i>	<p>I.D. Sidorov, M.S. Pudovkin, A.S. Nizamutdinov, M.R. Gafurov, V.V. Semashko, I.S. Pavlov, Yu.O. Zobkova, N.V. Petrakova, V.P. Sirotinkin, V.S. Komlev. Luminescence of Eu³⁺ ions in biocompatible calcium hydroxyapatite and tricalcium phosphate matrices. Junior researcher, Kazan (Volga region) Federal University, Sidorov Ilya Dmitrievich.</p>
<i>Report (C)</i> <i>15 minutes</i>	<p>D.P. Surzhikova, E.V. Nemtseva, L.A. Sukovaty, E.A. Slyusareva. Local optical probing of proteins of various sizes and charges with FITC label. Graduate student, Siberian Federal University, Surzhikova Darya Pavlovna.</p>
<i>Report (C)</i> <i>15 minutes</i>	<p>V.S. Nosanov, O.N. Tchaikovskaya. Investigation of photosensitization properties of medical products. Research engineer, National Research Tomsk State University, Nosanov Vsevolod Sergeevich.</p>
<i>11-00 – 12-30</i> <i>conference hall</i> <i>№ 515</i>	<p><i>3rd session of the thematic section</i> « LASER PHYSICS AND ITS APPLICATIONS » <i>Chair – Vyunyshev Andrey Mikhailovich, Cand. Sc.</i></p>
<i>Report</i> <i>15 minutes</i>	<p>A.N. Tsyppkin, A.O. Nabilkova, M.S. Guselnikov, A.O. Ismagilov, M.O. Zhukova, S.A. Kozlov, M.V. Melnik. Vibrational nonlinear response of molecules with complex structure in the THz range. Director of Research and Educational Center for Photonics and Optical IT, ITMO National Research University, Tsyppkin Anton Nikolaevich, Doct. Sc., Docent.</p>
<i>Report (C)</i> <i>15 minutes</i>	<p>K.V. Khaydukov, P.A. Demina, I.O. Goryachuk, V.I. Sokolov. Optical amplifier based on polymer single-mode waveguide impregnated with NaYbF₄:Er³⁺/Ce³⁺@NaYF₄ nanoparticles for telecommunication C-band. Junior researcher, Kurchatov Complex of Crystallography and Photonics of NRC «Kurchatov Institute», Khaydukov Kirill Valeryevich.</p>
<i>Report (C)</i> <i>15 minutes</i>	<p>R.P. Matital, D.A. Shcherbakov, D.A. Kolymagin, D.A. Emelyanov, D.A. Chubich, A.G. Vitukhnovsky. Luminescence-based structural analysis of 3D polymer X-ray lenses fabricated by two-photon Laser polymerization. Researcher, Moscow Institute of Physics and Technology, Rilond Pattia Matital, Cand. Sc.</p>

Report (C)
15 minutes

A.V. Kokhanov, A.A. Erofeeva, I.N. Novikov, D.V. Sutyrin.
Application of speckle patterns for measuring wavelengths in the optical range.
Engineer, All-Russian Scientific Research Institute for Physical-Engineering and Radiotechnical Metrology, Kokhanov Aleksey Valeryevich.

Report (C)
15 minutes

A.V. Astrakhantseva, A.A. Shavelev, A.G. Nikolaev, K.N. Boldyrev, A.S. Nizamutdinov.
Infrared luminescence and light amplification in mixed crystal BaY_{1.8}Lu_{0.2}F₈: Er³⁺.
Junior researcher, Kazan (Volga region) Federal University, Astrakhantseva Anna Vitalyevna.

12-30 – 14-00

Lunch-break

14-00 – 16-00

Sessions of the thematic sections

14-00 – 16-00
conference hall
№ 501

1st session of the thematic section
«OPTICS OF ARTIFICIAL QUANTUM SYSTEMS»
Chair – Professor Petrova Olga Borisovna, Doct. Sc..

Report
15 minutes

S.V. Boychenko.
Elliptically polarized cylindrical vector beams in single-molecule orientational microscopy.
Researcher, Irkutsk Branch of Institute of Laser Physics SB RAS, Boychenko Stepan Viktorovich.

Report (C)
15 minutes

M.I. Pavlenko, A.Yu. Neliubov, A.O. Tarasevich, E.A. Ekimov, A.V. Naumov, I.Yu. Eremchev.
Photophysics of single LX-centers in microdiamonds.
Graduate student, National Research University Higher School of Economics, Pavlenko Margarita Igorevna.

Report (C)
15 minutes

M.A. Knyazeva, A.O. Tarasevich, A.V. Naumov, I.Yu. Eremchev.
Experimental study and numerical modeling of delayed luminescence of single CdSeS/ZnS quantum dots.
Graduate student, National Research University Higher School of Economics, junior researcher, Moscow Pedagogical State University, Knyazeva Maria Andreevna.

<i>Report (C)</i> <i>15 minutes</i>	E.I. Oleynikova, M.S. Pudovkin. Physical background of Nd³⁺, Yb³⁺:YF₃ temperature sensors. Graduate student, junior researcher, Kazan (Volga region) Federal University, Oleynikova Ekaterina Ilyinichna.
<i>Report (C)</i> <i>15 minutes</i>	S.I. Kalinichenko, M.S. Pudovkin, A.S. Nizamutdinov Investigation of the mechanisms of temperature sensitivity of Ce_{0.5}Y_{0.5-x}Tb_xF₃ nanoparticles. Laboratory assistant, Kazan (Volga region) Federal University, Kalinichenko Svetlana Igorevna.
<i>Report (C)</i> <i>15 minutes</i>	N.D. Krivosheev, S.A. Zilov. Characteristic features of the dynamics of single F₂ color centers in LiF crystals. Leading electronics engineer, Irkutsk Branch of Institute of Laser Physics SB RAS, Krivosheev Nikita Dmitrievich.
14-00 – 16-00 conference hall № 515	<i>4th session of the thematic section</i> «LASER PHYSICS AND ITS APPLICATIONS» <i>Chair – Docent Tcypkin Anton Nikolaevich, Doct. Sc.</i>
<i>Report</i> <i>15 minutes</i>	A.V. Kuznetsov, E.F. Martynovich. Formation of luminescent tracks of filaments of repeating femtosecond laser pulses in LiF. Senior researcher, Irkutsk Branch of Institute of Laser Physics SB RAS, Kuznetsov Andrey Viktorovich, Cand. Sc.
<i>Report</i> <i>15 minutes</i>	V.I. Baryshnikov, O.V. Goreva, O.L. Nikonovich. Generation and nonlinear formation of UV femtosecond laser radiation in Er:BaY₂F₈ crystals. Associate Professor, Irkutsk State Transport University, Nikonovich Olga Leonidovna, Cand. Sc., Docent.
<i>Report</i> <i>15 minutes</i>	V.N. Chukov. Sub-Bragg spectrum of the surface acoustic Rayleigh wave scattering. Researcher, N.M. Emanuel Institute of Biochemical Physics RAS, Chukov Vitaliy Nikolaevich, Cand. Sc.

Report (C)
15 minutes

S.V. Murzin, E.F. Martynovich, V.P. Dresvyansky.
Experimental evaluation of the primary mechanism of nonlinear photoionization.
Leading electronics engineer, Irkutsk Branch of Institute of Laser Physics SB RAS, Murzin Semen Vitalyevich.

Report (C)
15 minutes

A.V. Pisarenko, A.I. Prokhodtsov, A.D. Golikov, I.O. Venediktov, D.A. Kolymagin, V.V. Kovalyuk, A.G. Vitukhnovsky, G.N. Goltsman.
Properties of 3D elements of photonic integrated circuits created by direct laser writing.
Researcher, graduate student, Moscow Institute of Physics and Technology, Pisarenko Anastasia Vladimirovna.

Report
15 minutes

A.S. Frolova, E.F. Martynovich.
Induction of luminescent centers by light and hard radiation in KCl-Tl₂SO₄ crystals.
Leading engineer, Irkutsk Branch of Institute of Laser Physics SB RAS, Frolova Anastasia Sergeevna.

16-00 – 16-30

Coffee-break (hall, upper foyer)

16-30 – 17-30

Poster session (hall)

18-30 – 20-00

Sports competition (sports ground near the building of Limnological Institute SB RAS) – reserve day



**XX INTERNATIONAL
CONFERENCE ON
LUMINESCENCE AND LASER PHYSICS**

3 July, Thursday

*09-00 – 10-50
conference hall
№ 501*

5th plenary session

Chair – Professor Nepomnyashchikh Aleksandr Iosifovich, Doct. Sc.

*Invited lecture
30 minutes* **V.L. Kurochkin.**
Experimental registration of a satellite quantum key.
Head of laboratory, National University of Science and Technology "MISIS", Kurochkin Vladimir Leonidovich, Cand. Sc.

*Invited lecture
30 minutes* **I.I. Beterov.**
Ultracold atoms as physical platform for quantum computing.
Senior researcher, A.V. Rzhanov Institute of Semiconductor Physics SB RAS, Beterov Ilya Igorevich, Cand. Sc.

*Invited lecture
30 minutes* **A.M. Vyunyshev.**
Quasi-phase-matched interactions in nonlinear photonics.
Senior researcher, L.V. Kirensky Institute of Physics SB RAS, Vyunyshev Andrey Mikhailovich, Cand. Sc.

*Report
15 minutes* **Presentation of the general sponsor of the conference.**
Special Systems. Photonics, LLC

10-50 – 11-10

Coffee-break (hall, upper foyer)

11-10 – 13-10

Sessions of the thematic sections

*11-10 – 13-10
conference hall
№ 501*

2nd session of the thematic section

«OPTICS OF ARTIFICIAL QUANTUM SYSTEMS»

Chair – Docent Zvekov Aleksandr Andreevich, Doct. Sc.

*Report
15 minutes* **B.P. Aduiev, A.Yu. Mitrofanov, D.R. Nurmukhametov.**
Luminescence produced by laser pulses on aluminum nanoparticles in water.
Principal researcher, Federal Research Center of Coal and Coal Chemistry SB RAS, Professor Aduiev Boris Petrovich, Doct. Sc.

*Report (C)
15 minutes* **A.A. Tyutrin, A.L. Rakevich, E.F. Martynovich.**
Luminescent carbon quantum dots: synthesis, modification, application.
Head of laboratory, Irkutsk Branch of Institute of Laser Physics SB RAS, Tyutrin Aleksandr Aleksandrovich, Cand. Sc.

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- Report (C)*
15 minutes
- A.N. Kiryakov, T.V. Dyachkova, A.P. Tyutyunnik, I.V. Baklanova, O.G. Reznitskikh, A.N. Enyashin.**
Functionalization of transparent MgAl₂O₄ nanoceramics with carbon quantum dots.
Senior researcher, Institute of Solid State Chemistry UB RAS, Kiryakov Arseniy Nikolaevich, Cand. Sc.
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- Report (C)*
15 minutes
- D.A. Pomazkin, P.A. Danilov, V.G. Vins, M.L. Skorikov, S.V. Vyatkin, P.V. Duong, P.H. Minh, S.I. Kudryashov.**
Direct measurement of absorption cross-section of H₃-center in diamond.
Graduate student, P.N. Lebedev Physical Institute RAS, Pomazkin Daniil Andreevich
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- Report*
15 minutes
- D.A. Mussakhanov, V.M. Lisitsyn, A.S. Kobey.**
Dependence of the thickness of the synthesized YAG:Ce ceramic layer on exposure to a high-power electron beam.
Associate Professor, L.N. Gumilyov Eurasian National University, Mussakhanov Dosymkhan Abitkhanovich, Cand. Sc.
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- Report (C)*
15 minutes
- A.K. Dokudovskaya, R.M. Rakhmatullin, S.L. Korableva, O.A. Morozov, A.A. Rodionov, M.S. Pudovkin.**
Spectral-kinetic characterization of CeF₃/CeO₂ composite structures activated by the Nd³⁺/Yb³⁺ ion pair for temperature sensing applications.
Junior researcher, Kazan (Volga region) Federal University, Dokudovskaya Anna Konstantinovna.
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- Report (C)*
15 minutes
- I.V. Plastinin, R.R. Volkov, T.A. Dolenko.**
Diagnostics of the environment in micellar nanoreactors using laser spectroscopy.
Junior researcher, M.V. Lomonosov Moscow State University, Plastinin Ivan Vladimirovich, Cand. Sc.
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- Report (C)*
15 minutes
- A.S. Emelyanova, A.A. Tyutrin, D.S. Glazunov, E.F. Martynovich.**
Kinetics of A-band photoluminescence in diamond at temperature of 7 K.
Engineer, Irkutsk Branch of Institute of Laser Physics SB RAS, Emelyanova Anastasia Sergeevna.
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<p><i>11-10 – 13-10 conference hall № 515</i></p>	<p><i>5th session of the thematic section «LASER PHYSICS AND ITS APPLICATIONS» Chair – Abramov Aleksey Stanislavovich, Cand. Sc.</i></p>
<p><i>Invited lecture (C) 30 minutes</i></p>	<p>A.O. Makarov, K.S. Kozlova, D.V. Brazhnikov, A.N. Goncharov. Optical magnetometers: physical principles, applications and prospects. Researcher, Institute of Laser Physics SB RAS, Makarov Anton Olegovich.</p>
<p><i>Invited lecture (C) 30 minutes</i></p>	<p>D.N. Kapusta, A.E. Bonert, A.N. Goncharov, K.N. Adamov, O.N. Prudnikov, A.V. Taichenachev. Interference of ultracold ⁸⁷Rb atoms in quantum gravimeter. Researcher, Institute of Laser Physics SB RAS, Kapusta Dmitriy Nikolaevich.</p>
<p><i>Invited lecture 30 minutes</i></p>	<p>D.E. Genin, V.I. Lipatov, A.V. Samolov, P.E. Komarova, V.G. Vins. Lasers on NV-centers in diamond: parameters, problems and development directions. Junior researcher, High Current Electronics Institute SB RAS, Genin Dmitriy Evgenyevich, Cand. Sc.</p>
<p><i>Report 15 minutes</i></p>	<p>A.V. Shamshurin, I.A. Kuzovatov, V.V. Slabko. On transient processes during light amplification in molecules selectively oriented by states by an external pulsed field. Graduate student, Siberian Federal University, Shamshurin Aleksey Valeryevich.</p>
<p><i>Report (C) 15 minutes</i></p>	<p>T.M. Minnebaev, A.S. Nizamutdinov, A.A. Shavelev, V.V. Semashko. Energy transfer and dynamics of the ³F₄→³H₆ and ⁵I₇→⁵I₈ states of Tm³⁺ and Ho³⁺ ions in LiY_{0,3}Lu_{0,7}F₄ mixed crystals. Student, laboratory assistant, Kazan (Volga region) Federal University, Minnebaev Timur Maratovich.</p>
<p><i>13-10 – 14-30</i></p>	<p><i>Lunch break</i></p>

<i>14-30 – 16-30</i>		<i>Sessions of the thematic sections</i>
<i>14-30 – 16-30 conference hall № 501</i>		<i>4th session of the thematic section «LUMINESCENCE AND ITS APPLICATIONS» Chair – Radzhabov Evgeniy Aleksandrovich, Doct. Sc..</i>
<i>Invited lecture 30 minutes</i>	V.L. Paperny, A.A. Chernykh, E.A. Radzhabov, E.F. Martynovich, V.P. Dresvyansky.	Optical characteristics of implanted layers of metal nanoparticles in fluoride matrices. Head of Irkutsk Branch of Institute of Laser Physics SB RAS, Dresvyansky Vladimir Petrovich, Doct. Sc, Docent.
<i>Report 15 minutes</i>	A.A. Zvekov, A.V. Kalenskii, V.A. Kachurin, A.V. Ivanov.	A sulphur containing luminophore based on curcumine. Professor, Kemerovo State University, Zvekov Aleksandr Andreevich, Doct. Sc., Docent.
<i>Report (C) 15 minutes</i>	A.V. Volokitina, E.D. Fakhрутdinova, V.A. Svetlichnyi.	Methodology for studying the photocatalytic activity of ZnO NPs decorated with Ag using selective radical absorbers. Graduate student, National Research Tomsk State University, Volokitina Anastasia Vladimirovna.
<i>Report (C) 15 minutes</i>	A.G. Golubovskaya, A.I. Kostenko, V.A. Svetlichnyi.	Investigation of photocatalytic activity of Bi₂SiO₅/Bi₁₂SiO₂₀ composite nanoparticles obtained by pulsed laser ablation. Graduate student, National Research Tomsk State University, Golubovskaya Aleksandra Gennadyevna.
<i>Report 15 minutes</i>	N.V. Izmailova, L.G. Samsonova, R.M. Gadirov.	Photogeneration of hydrochloric acid with chlorine-substituted indolocarbazoles. Graduate student, National Research Tomsk State University, Izmailova Natalya Viktorovna.
<i>Report (C) 15 minutes</i>	D.A. Makarova, A.S. Nizamutdinov, N. Shamsutdinov, P.V. Zelenikhin, T.A. Telegina, Yu.L. Vechtomova, A.A. Buglak.	The effect of laser ultraviolet radiation and Pt-Pd nanoparticles on the vitality of fibroblast cells. Junior researcher, Kazan (Volga region) Federal University, Makarova Darya Andreevna.

1st session of the thematic section

14-30 – 16-30
conference
hall № 515

**« PRODUCTION TECHNOLOGIES, RADIATION
AND LUMINESCENT PROPERTIES OF OPTICAL
MATERIALS »**

Chair – Berdnikov Vladimir Stepanovich, Doct. Sc.

*Report
15 minutes*

**P.V. Strekalov, E.A. Chernova, K.I. Runina, O.B. Petrova,
Do Dinh Trung, Ta Thu Trang.**

**The impact of tropical conditions on the spectral-luminescent
properties of hybrid materials based on complex fluorides and lithium
8-hydroxyquinolate.**

Professor, D.I. Mendeleev University of Chemical Technology of Russia,
Professor Petrova Olga Borisovna, Doct. Sc.

*Report
15 minutes*

**O.B. Petrova, D.A. Butenkov, A.V. Bakaeva, P.V. Strekalov,
N.P. Simonenko, P. Loiko.**

**Obtaining a lead chloride phase during crystallization of oxochloride
lead-tellurite glasses doped with Dy³⁺, Ho³⁺ and Er³⁺.**

Professor, D.I. Mendeleev University of Chemical Technology of Russia,
Professor Petrova Olga Borisovna, Doct. Sc.

*Report
15 minutes*

**Yu.V. Agrafonov, I.S. Petrushin, D.V. Khalaimov, I.V. Bezler,
R.Yu. Leontyev.**

Modern methods of statistical physics of classical liquids and glasses.

Professor, Irkutsk State University, Professor Agrafonov Yuriy Vasilyevich,
Doct. Sc.

*Report
15 minutes*

**A.S. Abramov, E.V. Malchukova, I.A. Starkov, K.V. Emtsev,
I.A. Nyapshaev, M.M. Andreenkov, N.G. Tyurnina, Z.G. Tyurnina.
Simulation of gettering process in silicon.**

Head of department, R&D Center of Thin Film Technologies in Energetics,
Hevel Energy Group, Abramov Aleksey Stanislavovich, Cand. Sc.

*Report
15 minutes*

**I.S. Zhidkov, V.V. Ozerova, A.I. Kukharenko, P.A. Troshin,
E.Z. Kurmaev.**

Radiation stability of hybrid perovskites: XPS study.

Head of department, Ural Federal University, Zhidkov Ivan Sergeevich,
Cand. Sc., Docent.



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**M.F. Gerasimov, M.I. Ustinova, S.V. Nikiforov, E.Z. Kurmaev,
L.A. Frolova, P.A. Troshin, I.S. Zhidkov.**

*Report (C)
15 minutes*

Relationship between radiation-induced disorder and type of dopant impurity in hybrid halide perovskites.

Research engineer, Ural Federal University, Gerasimov Maksim Fedorovich.

16-30 – 17-30

Contest Commission session

18-00 – 21-00

Bus tour of the city

4 July, Friday

**9-00 – 10-40
conference
hall № 501**

6th plenary session

**Chair – Corresponding member of Latvian Academy of Sciences,
Doctor Pankratov Vladimir**

*Invited
lecture
30 minutes*

S.A. Zilov, N.D. Krivosheev, V.P. Dresvyansky, E.F. Martynovich.
**Polarization method for studying the symmetry of single color centers
in cubic crystals.**
Head of laboratory, Irkutsk Branch of Institute of Laser Physics SB RAS,
Zilov Sergey Anatolyevich, Doct. Sc.

*Invited
lecture
30 minutes*

B.P. Aduiev, N.L. Aluker, A.S. Artamonov, D.R. Nurmukhametov.
**Response of dosimetric materials to laser impact of pico and
nanosecond duration at comparable energy flow densities.**
Director of Institute of Coal Chemistry and Material Science SB RAS,
Nurmukhametov Denis Ramilyevich, Doct. Sc.

*Invited
lecture
30 minutes*

**S.V. Kuznetsov, V.S. Sedov, A.K. Martyanov, I.A. Tiazhelov,
V.V. Voronov, A.A. Aleksandrov, Yu.A. Ermakova, D.S. Yasyrkina.**
**Luminescent composites based in polycrystalline diamond with
embedded nanoparticles for photonics.**
Leading researcher, A.M. Prokhorov General Physics Institute RAS,
Kuznetsov Sergey Viktorovich, Cand. Sc.

10-40 – 11-00

Coffee-break (hall, upper foyer)

**11-00 – 12-00
conference
hall № 501**

7th plenary session

Chair – Dresvyansky Vladimir Petrovich, Doct. Sc.

*Invited
lecture
30 minutes*

**R.Yu. Shendrik, E.A. Radzhabov, A.S. Myasnikova, V. Pankratova,
A. Šarakovskis, A.I. Nepomnyashchikh, A.I. Bogdanov,
V.V. Gavrilenko, E.V. Kaneva, D.O. Sofich, T.Yu. Garmysheva,
V. Pankratov**
Ultrafast core-to-core luminescence in BaF₂-LaF₃ single crystals.
Senior researcher, A.P. Vinogradov Institute of Geochemistry SB RAS,
Shendrik Roman Yuryevich, Cand. Sc.



**XX INTERNATIONAL
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LUMINESCENCE AND LASER PHYSICS**

*Invited
lecture
30 minutes* **K.A. Mitin, V.S. Berdnikov, A.V. Mitina.**
The dependence of temperature fields in crystals at various technological processes stages of growing mono- and polycrystals on the parameters of conjugated radiation-convective heat exchange.
S.S. Kutateladze Institute of Thermophysics SB RAS, Mitin Konstantin Aleksandrovich, Cand. Sc.

*12-00
conference hall
№ 501* ***Awarding ceremony of the winners of the contest of scientific reports of young scientists***
Summary of the conference
Conference closing

18-00 ***Festive dinner for the participants of the conference***

5 July, Saturday

9-00 ***Bus tour to the lake Baikal (work settlement Listvyanka)***

**POSTER SESSION
PROGRAM**

2 July, Wednesday

1. **D. Unurbileg, G. Batzul, R. Galbadrakh, L. Mend-Amar, U. Nergui, V.V. Koledov, S.V. von Gratovsky, S.J. Davaasambuu.**
Design and construction of MOKE by using He-Ne laser for Bi:YIG magnetic thin films.
2. **M. Wang, Z. Zang.**
Dual-band-tunable All-inorganic Zn-based Metal Halides for Optical Anti-counterfeiting.
3. **D.S. Abramkin, I.A. Aleksandrov, V.G. Mansurov.**
Energy spectrum of AlGaN-HEMT heterostructures with InGaN/AlGaN quantum dots as floating gate.
4. **D.S. Abramkin, E.V. Glumov, D.V. Dmitriev, S.A. Ponomarev, Ya.E. Maidebura, D.V. Gulyaev.**
In situ growth annealing of heterostructures with InAs/InAlAs quantum dots grown on InP(001) substrate.
5. **D.S. Abramkin, V.A. Seleznev, A.S. Petrov, V.I. Vdovin, Yu.A. Zhivodkov, M.S. Aksenov, T.M. Zalyalov, D.R. Islamov, A.F. Uchuvatkin, D.N. Klimenko.**
Metall-dielectric Ni/Al₂O₃ varistor structures grown by atomic-layer deposition technique.
6. **D.S. Abramkin, V.A. Seleznev, A.S. Petrov, V.I. Vdovin, Yu.A. Zhivodkov, M.S. Aksenov, T.M. Zalyalov, D.R. Islamov, A.F. Uchuvatkin, D.N. Klimenko.**
Planar and bulk porous capacitors with Al₂O₃ dielectric layers grown by atomic layer deposition technique.
7. **M.A. Bobrov, S.A. Blokhin, Ya.N. Kovach, A.A. Blokhin, N.A. Maleev, A.G. Kuzmenkov, M.N. Marchiy, A.P. Vasilyev.**
Influence of microcavity design on relative intensity noise of 89X nm range single-mode vertical cavity surface-emitting lasers.
8. **A.P. Borovikova, A.A. Zvekov, A.V. Kalenskii, E.V. Galkina.**
The laser initiation of thermal explosion model development ways.

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9. **S.D. Bugakov, O.N. Karpov, Ya.I. Derikov, A.S. Merekalov, L.A. Golovan.**
Control of CdSe/ZnS quantum dots distribution in a liquid crystal matrix under light irradiation. (C)
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10. **E.A. Vladimirova, E.F. Martynovich.**
Luminescence of caseous plugs in chronic tonsillitis. (C)
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11. **L.I. Vostrikova, I.A. Kartashev.**
Features of distribution of the photo-induced refractive index in banded geometry of all-optical poling of glass.
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12. **S.A. Vyunysheva, N.N. Davletshin, S.A. Myslivets, A.M. Vyunyshev.**
Influence of excitation mode on the spectral characteristics of laser-induced fluorescence.
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13. **D.S. Daibagya, D.M. Bezverkhnyaya, N.I. Volynets, A.V. Osadchenko, I.A. Zakharchuk, A.S. Selyukov, S.A. Ambrozevich, V.S. Ivanova.**
Electrically controlled photoluminescence of CdSe:Cu 2D-nanocrystals. (C)
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14. **E.I. Davydov, E.F. Martynovich, V.P. Dresvyansky.**
Magnetic field influence of on the character of the photoluminescence intensity trajectories of single color centers. (C)
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15. **D.Yu. Demushkin, D.A. Denisov, A.V. Konyashkin, O.A. Ryabushkin.**
Measurement of the optical absorption coefficient of lithium-sodium molybdate crystal at a wavelength of 1064 nm. (C)
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16. **D.A. Denisov, D.Yu. Demushkin, A.V. Konyashkin.**
Second harmonic generation of infrared radiation in crystalline lithium-sodium molybdate using type I phase-matching. (C)
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17. **E.I. Ivchenko, A.V. Khmelev, V.L. Kurochkin.**
Modulation methods analysis for optical satellite-to-ground communication systems. (C)
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18. **N.V. Izmailova, L.G. Samsonova, K.M. Degtyarenko.**
Photo- and electroluminescence of compounds of the group of substituted indolocarbazoles.
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19. **I.N. Ilyashenko, N.A. Martemyanov, S.S. Savchenko, A.V. Ishchenko, I.A. Weinstein.**
Optical properties of g-C₃N₄ thin films in the temperature range 10–330 K. (C)
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- R.Ya. Ilenkov, A.A. Kirpichnikova, O.N. Prudnikov.**
20. Difference between ^{199}Hg laser cooling in bichromatic 3-level and monochromatic 2-level schemes. (C)
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- A.O. Kovalenko, V.I. Kokorin, N.V. Morozova, S.N. Malov, A.A. Gavrilyuk.**
21. Influence of laser radiation on hysteresis loops of rapidly quenched ferromagnets.
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- A.V. Kovtun, B.V. Sladkopevtsev.**
22. Synthesis of yttrium vanadate doped with neodymium ions. (C)
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- V.A. Kozhevnikov, V.E. Privalov.**
23. Solution of the problem of the relationship between external and internal parameters of the positive discharge column in laser tubes of variable diameter for a two-component mixture.
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- V.S. Kuzmin, E.F. Martynovich, S.V. Murzin, V.P. Dresvyansky.**
24. Anisotropy of formation of color centers in magnesium fluoride crystals under femtosecond laser excitation. (C)
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- Yu.D. Kuzmina, E.F. Polisadova.**
25. Analysis of the effect of cerium content on spectral characteristics and brightness of luminescent ceramics YAG:Ce synthesized by the radiation method. (C)
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- N.S. Kurochkin, V.M. Korshunov, A.V. Gritsienko, V.V. Sychev, I.V. Taydakov, A.G. Vitukhnovsky.**
26. Temperature dependences of photoluminescence of nickel centers in diamond in the near IR range. (C)
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- L.I. Schepina, N.A. Ivanov, L.I. Ruzhnikov, D.A. Kucherov.**
27. On the nature of blue luminescence in LiF crystals with high concentrations of uranium. (C)
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- S.V. Lepekha, E.A. Vasiliev, D.A. Zedgenizov.**
28. Photoluminescence systems with equidistant lines in natural diamond. (C)
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- Ya.I. Machkhin, V.P. Dresvyansky, A.L. Rakevich, D.N. Tomilin, L.N. Sobenina, N.N. Dremina.**
29. Properties of luminescence of organoboron dye meso-CF₃-BODIPY. (C)
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- V.E. Merzlinkin, A.V. Khmelev, V.L. Kurochkin.**
30. Optical satellite communication using a superconducting nanowire single-photon detector (SNSPD). (C)
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- A.S. Mysovsky, A.I. Bogdanov.**
31. Embedded cluster calculations of oxygen-deficiency centers in crystalline and amorphous silica with Zero force elimination approach.
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- A.S. Myasnikova, A.I. Bogdanov.**
32. Study of structural and electronic properties of fluoride crystals doped with rare earth ions by quantum chemistry methods.
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- A.Yu. Ostapiv, K.V. Zotov, N.V. Tereshchenko, A.V. Konyashkin.**
33. Phase matching curves kinetics during the $\chi^{(2)}$ lattice recording process in an optical fiber poling procedure. (C)
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- D.S. Savinov, N.T. Maksimova, D.D. Miroschnik, A.I. Evdokimova.**
34. Electret states in hydrated structures and bioenergetics of living organisms. (C)
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- E.D. Savintseva, M.S. Rumenskikh, I.F. Shaikhislamov.**
35. Numerical modeling of the atmosphere of hot Jupiter HAT-P-18b. (C)
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- A.S. Frolova, O.S. Yurashevich, E.F. Martynovich.**
36. Optically stimulated fluorescence of KCl-Tl₂SO₄ crystals.
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- A.S. Frolova, E.F. Martynovich.**
37. Thermally stimulated fluorescence of a KCl-Tl₂SO₄ crystal.
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- N.G. Chuklina.**
38. Quantum chemical study of the dipole in the LaF₃ crystal doped with Ca²⁺, Sr²⁺ and Ba²⁺ ions. (C)
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- V.I. Baryshnikov, A.A. Shestakov.**
39. Picosecond on intracavity nonlinear conversion and diode pumped Nd:YVO₄ – laser. (C)
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- S. Hilal, S.A. Shtumpf, A.O. Ismagilov, A.N. Tsyarkin, M.V. Melnik.**
40. Plasma reflectivity under ultra-short laser pulses using double pump pulse method. (C)
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SCHEDULE OF SESSIONS AND EVENTS

30 June, Monday		1 July, Tuesday			2 July, Wednesday		
8:30 – 11:00	Registration	9:00 – 10:40	PL, hall № 501, c. 9		9:00 – 10:40	PL, hall № 501, p. 14	
		10:40 – 11:00	Coffee break		10:40 – 11:00	Coffee break	
11:00 – 11:30	Conference opening, hall № 501, p. 7						
11:30 – 12:45	PL, hall № 501, p. 7	11:00 – 12:40	PL, hall № 501, p. 9		11:00 – 12:30	LM, hall № 501, p. 14	LP, hall № 515, p. 15
12:45 – 13:00	Photo-shooting						
13:00 – 14:30	Lunch break	12:40 – 14:00	Lunch break		12:30 – 14:00	Lunch break	
14:30 – 17:00	Celebratory session, dedicated to the 30 th anniversary of Irkutsk Branch of Institute of Laser Physics SB RAS, hall № 501, p. 8	14:00 – 15:30	LM, hall № 501, p. 10	LP, hall № 515, p. 11	14:00 – 16:00	AQS, hall № 501, c. 16	LP, hall № 515, c. 17
		15:30 – 16:00	Coffee break		16:00 – 16:30	Coffee break	
		16:00 – 18:00	LM, hall № 501, p. 12	LP, hall № 515, p. 13	16:30 – 17:30	Poster session, hall, p. 27	
17:00 – 19:00	Buffet supper (hall, upper foyer)	18:30 – 20:00	Sports competition (sports ground near the building of Limnological Institute SB RAS)		18:30 – 20:00	Sports competition (reserve day)	

PL – plenary session

Sessions of the thematic sections:

LM – Luminescence and its applications

LP – Laser physics and its applications

AQS – Optics of artificial quantum systems

TRL – Production technologies, radiation and luminescent properties of optical materials

SCHEDULE OF SESSIONS AND EVENTS

3 July, Thursday		4 July, Friday		5 July, Saturday	
9:00 – 10:40	PL hall № 501, p. 19	9:00 – 10:40	PL, hall № 501, p. 25	9:00	Bus tour to the lake Baikal (work settlement Listvyanka)
10:40 – 11:00	Coffee break	10:40 – 11:00	Coffee break		
11:00 – 13:00	AQS, hall № 501, p. 19	11:00 – 12:00	PL, hall № 501, p. 25		
13:00 – 14:30	Lunch break	12:00 – 13:30	Summary of the conference Conference closing, hall № 501		
14:30 – 16:30	LM, hall № 501, p. 22				
16:30 – 17:30	Contest Commission session				
18:00 – 21:00	Bus tour of the city	18:00	Festive dinner		

PL – plenary session

Sessions of the thematic sections:

LM – Luminescence and its applications

LP – Laser physics and its applications

AQS – Optics of artificial quantum systems

TRL – Production technologies, radiation and luminescent properties of optical materials