

POSTERS SESSIONS

BIOMEDICAL LASER APPLICATIONS

September 27

1. **Broadband Optical Illumination in a TD-OCT System for Live Imaging in Developmental Biology at 1300 nm Wavelength**
R.Cernat, .Dobre, A.Bradu and A.Gh.Podoleanu (Romania)
2. **Noninvasive Detection of Breath Ammonia Levels in Renal Diseases Using Laser Photoacoustic Spectroscopy**
R. Cernat, D.C.A. Dutu, M. Patachia, C. Achim and D.C. Dumitras (Romania)
3. **Formation of Biocompatible Silicon Nanocrystals with Desired Structure and Optical Properties**
T. Yu. Bazyleko, L. A. Osminkina, R. A. Abidulina, A. I. Efimova, M. B. Gongalsky, A. V. Motuzyuk, V. Yu. Timoshenko, A. H. Gaydarova, G. T. Sukhih, and A. D. Durnev (Russia)
4. **Laser Stereolithography in Cosmetic Surgery**
S.A. Cherebylo, A.V. Evseev, P.N. Mitroshenkov (Russia)
5. **Effect of the Ions with Different Ionic Radius on Lysozyme in Water Solutions.**
Ksenya V. Fedorova, Irina A. Sergeeva, Galina P. Petrova, Y.M. Petrusevich (Russia)
6. **Photodynamic Therapy on B16 Cells With Tetrasulphonated Porphyrin and Different Light Sources**
Simona Florentina Pop, R.M. Ion, M. Neagu and C. Constantin (Romania)
7. **A New Method of Herpes Keratitis Treatment by means of 1.4um Laser Diode.**
P.A. Gonchar, M.A. Frolov, N.V. Rodionova, Yu. L. Kalachev, V. A. Mihailov, I. A. Shcherbakov (Russia)
8. **Experimental Study of the Multiple Scattering Effect on the Flow Velocity Profiles Measured in Intralipid Phantoms by DOCT**
Janne Lauri, Alexander V. Bykov, Alexander V. Priezzhev and Risto Myllylä (Finland)
9. **Histological Studies of Pathological ENT Tissues Irradiated by Laser Diode and CO₂ Laser Surgical System**
M. Petrus, D.C. Dumitras, D.C. Dutu (Romania)
10. **Dynamic Light Scattering Studies of Collagen Solutions Containing Metal Ions with Different Ionic Radii**
I.A. Sergeeva, M.S. Ivanova, K.V. Fedorova, G.P. Petrova, Yu.M. Petrusevich. (Russia)
11. **Luminescent Porous Silicon for Biosensing Applications**
Viktoria Shevchenko (Ukrain)
12. **HCN Detection in Human Breath Using a CW Optical Parametric Oscillator**
M. Spunei, D. Arslanov, S. Persijn, S. Cristescu, P. Merkus, F. J.M. Harren (Netherlands)
13. **Simulation of Optical Radiation Propagation in Plant Tissue**
V. P. Zakharov, I. A. Bratchenko, E.V.Timchenko (Russia)
14. **The Possibilities of the Oxygen Saturation Spectral Imaging Method**
Tatiana A. Savelieva, Maxim V. Loschenov , Sergey Yu. Petrov and Sergey Yu. Vasilchenko (Russia)
15. **Controlled Laser Hyperthermia of Subdermal Neoplasms**
Nina A. Kalyagina, Irina A. Shikunova, Tatiana A. Savelieva, Viktor B. Loschenov (Russia)
16. **Sunscreen-Grade Nanoparticles: Aspects of Interaction with Skin**
A.P. Popov, A. Zvyagin, M.S. Roberts, J. Lademann, A.V. Priezzhev, and R. Myllylä (Russia)
17. **Terahertz Time-Domain Spectroscopy of Biological Molecules**

NON-LINEAR PHENOMENA

September 27

18. **Nonlinear Photoluminescence of Gallium Selenide and Related Compounds: Caused by Resonance Enhanced Two-Photon Absorption Rather than Second-Harmonic Generation**
Kerim Allakhverdiev, D. Huseinova, T. Baykara, E. Salaev, C. Angermann, P. Karich, and L. Kador (Turkey)
19. **Influence of the Resonator Losses on the Possible Squeezing at the Resonator Parametrical Excitation**
Vladimir Bykov (Russia)
20. **Polarization-Resolved Study of Passively Q-switched Diode-Pumped Nd:YVO₄ Lasers with Cr⁴⁺:YAG and V³⁺:YAG Saturable Absorbers**
A.A. Sirotkin, D.V. Sizmin, S.V. Garnov (Russia)
21. **1,3 μm Passively Q-switched Diode Pumped Lasers with Co²⁺ Doped Crystals as the Saturable Absorbers**
A.A.Sirotkin, S.P. Sadovskiy, S.V. Garnov (Russia)
22. **Laser-Induced Diffraction and Reflection in the Nonlinear Defocusing Media**
Valery E. Lobanov, Aleksey A. Kalinovich, Anatoly P. Sukhorukov (Russia)
23. **Blue Laser Light Generation by Frequency Doubling of a Cesium Vapor Laser**
B. V. Zhdanov, Yalin Lu, M. K. Shaffer, W. Miller, D. Wright, W. Holmes, and R. J. Knize (USA)
24. **Second-Harmonic Generation and Optical Bistability in Thin Ge_xSb_{40-x}S₆₀ Chalcogenide Films**
Sashka Alexandrova, Vitalii I. Krasovskii, Igor A. Maslyanitsyn, Vladimir B. Tsvetkov, and Vladimir D. Shigorin (Russia)
25. **Modulation for Compression Dynamics of Quadratically Phase-Modulated Few-Cycle Pulses in Dispersive Medium**
Olga I. Paseka, Valery E. Lobanov and Anatoly P. (Russia)
26. **Evaluation of Laser Speckles Generated by Microspheres - Z-Scan Investigation of Concentration Dependency of Nonlinear Optical Responses in Triphenylmethane Dye Solutions**
Humbat Nasibov (Turkey)
27. **Intermittency and Chaos in a Semiconductor Laser Subjected to Strong Coherent and Incoherent Feedback**
Enrico Randone and Silvano Donati (Italy)
28. **Structure Elucidation 4,4'''-Bis-(2-butyloctyloxy)-p-quaterphenyl in Cyclohexane by the Joint Application of FTIR, Raman, UV and Visible Spectroscopy**
Ipek Karaaslan (Turkey)
29. **Thermally Induced Depolarization Ratio in 23 and m3 Symmetry Classes of Cubic Crystals**
Anton Vyatkin, Efim Khazanov (Russia)
30. **Nonlinear Interaction of Optical Beams in Gradient Waveguides**
A.K. Sukhorukova, A.P. Sukhorukov, A.S. Grankin (Russia)

LASERS IN ATMOSPHERE MONITORING

September 27

31. **Vertical Concentration Distribution Measurement of Atmospheric Aerosols by Laser Light Scattering**
Daniel Oszetzky, Attila Nagy, Attila Kerekes, Aladár Czitrovszky (Hungary)

32. **New Multiwavelength MIE-Raman Lidar in Turkey for Aerosol Studies**
K. Allakhverdiev, T. Baykara, M. Bekbolet, Fatih Huseyinoglu, S. Ozbek, Z. Salaeva, A. Secgin, S. Vartapetov, I. Veselovskii (Turkey)
33. **The Possibility of Wideband CO Laser and Sr Vapor Laser Using for Atmosphere Monitoring**
Kharchenko O.V., Romanovskii O.A. (Russia)
34. **Atmospheric Environment: Impacts of the Transport of Aerosols from Saharan Dust and Lidar Techniques**
Nihal Yucekutlu, Yavuz Yucekutlu (Turkey)
35. **Lidars in Forestry**
Surhay Allahverdi (Turkey)
36. **Hot-Air Atmospheric Turbulence Generator for the Improvement of Laser Based Free-Space Communication Systems with Adaptive Optics Systems**
Onur Keskin, H. Nasibov, F. Hacizade (Turkey)

PHOTOACOUSTICS

September 28

37. **Evaluation of Ammonia Absorption Coefficients by Photoacoustic Spectroscopy for Detection of Ammonia Levels in Human Breath**
C. Achim, D. C. Dumitras, D. C. A. Dutu, R. Cernat (Romania)
38. **Optoacoustic Phenomenon in a Submicron Metal Coating Covered by a Transparent Liquid: Theory and Application for Evaluation of Coating Properties**
Kopylova D.S., Pelivanov I.M., Podymova N.B., Karabutov A.A (Russia)
39. **Development of Back-Mode Photoacoustic Transducer for Measuring Consistency of Paper Pulp Suspensions**
Zumoin Zhao, M. Törmänen, R. Myllylä (Finland)

LASER SYSTEMS

September 28

40. **Nonlinear GaSe and GaSexS1-x Layered Compounds for Near IR Laser Light Visualization**
Kerim Allakhverdiev, Tarik K. Baykara, Sunullah Ozbek, Eldar Yu. Salaev (Turkey)
41. **Supercontinuum Generation in Transparent Biomimetical Nanocomposites**
Alexander Bezverbny, Yu.N. Kulchin, Yu.A. Shchipunov, S.S. Voznesensky, S.S. Golik, A.Yu. Mayor, I.V. Postnova (Russia)
42. **Investigation on the Mode Hope Free Tunability of a 852 nm Laser Diode without Anti Reflection Coating**
Cengiz Birlikseven, E. Şahin, M. Çelik, R. Hamid (Turkey)
43. **Photonic Crystal Si-based Structures for Optics and Sensorics**
A.I. Efimova, V.B. Zaitsev, L.A. Golovan, S.M. Afonina, A.D. Sladkov (Russia)
44. **Numerical Investigation of Laser Resonator for Generating Radially or Azimuthally Polarized Beams**
V.D. Dubrov, R.V. Grishaev, M.D. Homenko, Yu.N. Zavalov (Russia)
45. **Growth and Structural Peculiarities of the Epitaxial Films of GaSe and InSe in Correlation with the Electrophysical Properties**
E. Yu. Salaev, Hidayat Nuriyev (Azerbaijan)
46. **Tunable Infrared Liquid Crystalline Filters**
Tahir Ibragimov, N.J. Ismailov, G.M. Bayramov, A.R. Imamaliyev (Azerbaijan)

47. **Actively Q-switched Diode Pumped Tm:YLF Laser**
J. K. Jabczynski, L. Gorajek, W. Zendzian, J. Kwiatkowski, K. Kopczynski, H. Jelinkova, M. Němec, J Šulc (Poland)
48. **Photoalignment in a Dye-doped Liquid Crystal by Linearly Polarized Laser Light**
Ridvan Karapinar, D. Fedorenko, E. Ouskova and Y. Reznikov (Turkey)
49. **GaSe and InSe Crystals in Quantum Electronics**
V.M.Salmanov, A.A.Salmanova, E.M.Kerimova, D.A.Huseinova (Azerbaijan)
50. **Femtosecond Pulse Self-Compression Under Filamentation of Collimated Beam**
M. Kurilova, A. Mazhorova, N. Panov, S.Gorgutsa, D. Uryupina, R. Volkov, O. Kosareva, A. Savel`ev (Russia)
51. **Ho:YAG Tunable Hybrid Laser Pumped by a Tm-Doped Fiber Laser**
Jacek Kwiatkowski, J.K. Jabczynski, W. Zendzian, L. Gorajek, H. Jelinkova, J. Sulc, M. Nemec, P. Koranda (Poland)
52. **Spectral-Luminescent Properties of Ions in Semiconductive Glasses of La₂S₃, Ga₂O₃**
G. I. Abutalybov, Arzu Mamedov (Azerbaijan)
53. **The Spectral-Luminescent Properties of TlInS₂ and TlGaS₂ Crystals Activated by Rare-Earth Ions**
Tofiq Mammadov, G.I.Abutalybov, A.A. Mamedov (Azerbaijan)
54. **Photovoltaic Spectra of TiMSe₂ Single Crystals**
Solmaz Mustafaeva
55. **High Power Fiber Lasers**
Bulend Ortac (Germany)
56. **Near- and Mid-Infrared Optical Parametric Oscillator Pumped by an Yb Fiber Laser - Continuous-Wave, Single-Frequency Optical Parametric Oscillator Pumped by a Frequency-Doubled Fiber Laser**
Majid İbrahim Zadeh (Spain)
57. **TEM₀₀, 30mJ, 2.94-μm Q-switched Er:YAG Laser Working at the Repetition Rate up to 25Hz**
M. Skorczakowski, J. Swiderski, A. Zajac, W. Pichola, S. Gross, A. Heinrich, T. Bragagna (Poland)
58. **Detailed Theoretical Analysis of Thermal Effects in Er-Yb Phosphate Glass Microchip Lasers**
Feng Song, Teng Li ,Fang Wang, Shujing Liu, Hong Cai, and Jianguo Tian (China)
59. **Investigation on Carriers Confinement in Photonic-Corral-Mode Quantum Ring Lasers**
G. A. Stanciu, R. Hristu, S.G. Stanciu, O'Dae Kwon (Romania)
60. **Broad-Area Semiconductor Laser Diode with Sectioned Electric Contact into External Bragg Resonator.**
V.V. Svetikov, V.A. Sychugov (Russia)
61. **The Q-switched Hybrid Er:YAG Laser**
Waldemar Zendzian, . K. Jabczynski, L. Gorajek, J. Kwiatkowski, K. Kopczyński, H. Jelinkova, M. Němec, J Šulc (Poland)
62. **Tunable YAG:Cr⁴⁺ Bidirectional Ring Laser**
Yu.Yu. Broslavets, M.A. Georgieva, A.A. Fomitchev (Russia)
63. **High Voltage Solid-State Pumping Source for Excimer Laser**
M. V. Malashin, S. I. Moshkhunov, E. A. Shershunova, V. U. Khomich (Russia)
64. **The Project of High Power Cryogenic Laser Based on Yb:YAG Disks**
E. A. Perevezentsev, I. B. Mukhin, O. V. Palashov, E. A. Khazanov (Russia)

65. **Optimization of Ultrashort Pulsed Laser Radiation for Precise and Productive Micromashining.**
P. Pivovarov, S. Klimentov, V. Konov, D. Walter, M. Kraus, F. Dausinger (Russia)
66. **Photovoltaics in X-irradiated InSe–GaSe–InSe Heterojunctions**
MirSalim Asadov (Rusya)
67. **Selective Laser Sintering, Magnesium, Microstructural Features, Porous Structure**
Chi Chung Ng (China)
68. **Roughness Measurement with Laser Speckle Pattern of Milled Metals Using Speckle Statistics Analysis**
Kayahan Ersin (Turkey)
69. **Creation of Ohmic Contacts on n - and p - Type ZnO Films by PLD Method.**
Ye.A. Cherebilo, L.S. Parshina, O.A. Novodvorsky, V.Ya. Panchenko, E.V.Khaydukov, O.D. Khramova, C. Wenzel, N. Trumpaicka, J.W. Bartha (Russia)
70. **Selective Laser Sintering of Magnetium Powder for Fabrication of Porous Structures**
Chi Chung Ng (China)
71. **Silicon Nanoparticles with Previously Defined Parameters Creation from Silicon Tetra Fluoride by CO₂-Laser Permanent Irradiation for Biology and Medicine**
Ershov I.A., Orlov A.N., Pustovoy V.I., Surkov A.A. (Russia)
72. **The Erosive Laser Plume Researches at the Silicon Ablation in Vacuum**
Khaydukov E.V., Rocheva V.V., Lotin A.A. Novodvorsky O.A., Parshina L.S. (Russia)
73. **The Influence of Annealing on Characteristics ZnO:N Films.**
O.D. Khramova, O.A. Novodvorsky, V.Ya. Panchenko, V.I. Sokolov, L.S. Parshina, Ye.A. Cherebilo, A.A. Lotin, E.V. Khaydukov, V.V. Rocheva, C. Wenzel, J.W. Bartha , V. T. Bublik, K. D. Chtcherbatchev (Russia)
74. **Optical and Structural Properties of Quantum Wells Mg_{0,27}Zn_{0,73}O/ZnO Produced by Pulsed Laser Deposition**
A.A. Lotin, O.A. Novodvorsky, E.V. Khaydukov, O.D. Khramova (Russia)
75. **Development of Photo-Curable Composition and Technique for Thin-Layer (till 10 μm) Objects Manufacturing.**
Evseev A., Kamayev S., Kotzuba E., Markov M., Michrin V., Novikov M., Surovtsev M. (Russia)
76. **Polymeric Surfaces During MEMS Fabrications**
E. Mocanu , P. Sterian (Romania)
77. **Electric Properties of Heterogeneous Transitions Between n - and p - type ZnO Films and n - and p - Type Silicon Substrates**
L.S. Parshina, O.A. Novodvorsky, V.Ya. Panchenko, O.D. Khramova, Ye.A. Cherebilo, A.A. Lotin, C.Wenzel, N. Trumpaicka, J.W. Bartha (Russia)
78. **Specific Character of the Sn Thin Films Growth on Amorphous Si by CBPLD Method**
Rocheva V.V., Khaydukov E.V., Novodvorsky O.A., Khramova O.D. (Russia)
79. **Manifestation of Electrophysical Phenomena Under Femtosecond Laser Action on Semiconductor**
R.V. Dukin, G.A. Martsinovsky, G.D. Shandybina, E.B. Yakovlev (Russia)
80. **Nanostructured Thin Film Formation in Ultra-Short PLD of Vanadium Oxide**
A. De Bonis, A. Galasso, A. Santagata, P. Villani, R. Teghil (Italy),
81. **Synthesis of Luminescent Si Nanoparticles Using Laser-Induced Pyrolysis**
A. Vladimirov, S. Korovin, A. Surkov, V. Pustovoy (Russia)

82. **Direct Laser Materials Nanostructuring in Absence of Melting**
S.V. Nebogatkin, V.Yu. Khomich, V.A. Shmakov, V.N. Tokarev, V.A. Yamshchikov (Russia)
83. **Investigation of Formation Nanostrucurized Thin Films in Processes of Femtosecond Laser Deposition**
Gerke M.N, Kutrovskay S.V., Kucherik A.O., Prokoshev V.G., Arakelian S.M. (Russia)
84. **Basic Mechanisms of Direct Laser Materials Nanostructuring**
V.Yu. Khomich, V.A. Shmakov, V.N. Tokarev, V.A. Yamshchikov (Russia)
85. **Production of THz Radiation by Short Laser Pulses via Tunnel Ionization of a Gas under the Effect of External Magnetic Field**
Anil K. Malik and Hitendra K. Malik (India)
86. **Wakefield Excited by Laser Pulses of Different Field Profiles: Contribution of Electron Thermal Energy**
Hitendra K. Malik (India)
87. **Formation Dynamics of Gold Nanoparticles Detected by Single-Shot Near-Field Heterodyne Transient Grating Method**
K. Katayama, Y. Nakazato, K. Taniguchi, T Eitoku (Japan)
88. **Lifetime and Diffusion Coefficient of Active Oxygen Species Generated in TiO₂ sol Solutions**
K. Katayama, M. Okuda, and T. Tsuruta (Japan)
89. **Pulsed Nd:YAG Laser Drilling Process of Alumina Ceramic for Printed Circuit Board**
P. Demir, E. Akman, M. Mutlu, S. Babur, E. Suvaci, E. Kacar, A. Demir (Turkey)
90. **Laser Pulse Shape Effects on the Hardness of Steel**
E. Akman, L.Candan, M. Zeren, E. Kacar, A. Demir (Turkey)
91. **Spectroscopic Measurements and Modelling of the Spectrum Emitted from Laser-Induced Argon Plasma**
B. Genc, S. Sipahioglu, E. Akman, P. Demir, E. Kacar, A. Demir (Turkey)
92. **Laser Surface Treatment of Ceramic Material**
M. Mutlu, E. Kacar, E. Suvaci, A. Demir, E. Akman (Turkey)
93. **Size-Dependent Features of Diamond Bulk Microstructuring with Ultrashort Laser Pulses**
T.V. Kononenko, S.M. Pimenov, V.I. Konov, M. Neff, V. Romano (Russia)
94. **Thermally Induced Light Scattering in Laser Ceramics with Arbitrary Grain Size**
Anton Vyatkin, Efim Khazanov (Russia)
95. **KDP Crystal Coped by Anatase Nanoparticles in Terahertz Applications**
V.A. Enikeeva, I.A.Ozheredov, A.P.Shkurinov, V.Ya.Gayvoronsky, I.M.Prytula (Russia)
96. **Light Emission from Silicon Nanoclusters in Silicon Suboxide Matrix**
V. Yu. Timoshenko, D. M. Zhigunov, N. E. Maslova, S. A. D'yakov, P. K. Kashkarov, V. N. Seminogov, V. I. Sokolov, V. N. Glebov, and V. Ya. Panchenko (Russia)
97. **Enhanced Raman Scattering in Photonic Crystals Based on Grooved Silicon**
P.K. Kashkarov, D.A. Mamichev, S.V. Zabotnov, A.V. Zoteyev, L.A. Golovan, V.Yu. Timoshenko (Russia)

98. **Laser-Stimulated Luminescence of Ag Nanoparticles in Glass**
I.V. Andreeva, S.B. Korovin (Russia)
99. **Filamentation of Femtosecond Laser Pulses: First Experimental Observation and Real-Time Measurement of Flying Filament Front**
V.V. Bukin, S.V. Garnov, T.V. Shirokikh, V.A. Tserevitinov (Russia)
100. **Application of Digital In-Line Holographic Microscopy (DIHM) for 4D Tracking of the Colloid Particles**
Dmitry Ekimov (Russia)
101. **Improving Spatial Resolution of Infrared Image Converter Based on the Semiconductor-Liquid Crystal Structure for Real Time Optical Application**
Namig Ismailov, T. Ibraimov (Azerbaijan)
102. **Determining Resolution of a Digital In-Line Holography Microscope**
Ville Kaikkonen, Anssi J. Mäkinen (Finland)
103. **Straightforward Measurement of the Doppler Shift of Light Scattered by Moving Particles in Colloids**
A. Karpo, S. Korovin, V. Pustovoy (Russia)
104. **Infrared Spectroscopy to Characterize Clay Intercalation**
Korovin S., Pustovoy V., Beklemishev V., Makhonin I. (Russia)
105. **Accurate Spectral Measurement of Absorption and Scattering Coefficients with Double Integrating Spheres**
Markku A. Lehto, Ville T.J. Keränen, and Anssi J. Mäkinen (Finland)
106. **Fiber-Optic Sensing System for Nanometer Displacement Measurements**
I. Likhachev, V. Pustovoy (Russia)
107. **Experimental Investigation of Optical Time-of-Flight and Amplitude on Pulp at Different Refining Stages**
Jan Niemi (Sweden)
108. **Tree Mapping Using a Time-of-Flight 3D Camera**
Artuu Ollikkala, Anssi J. Mäkinen (Finland)
109. **Spectroscopy of Multisites Chromium in Garnet Crystals**
H. Örucu, J. Collins, B. DI Bartolo (Turkey)
110. **Place of Laser Induced Dielectric Breakdown and Speed Sound in Milky Water Measured with a Laser Doppler Vibrometer**
Juha Saarela, Torbjörn Löfqvist, Kerstin Ramser, Per Gren, Erik Olson, Jan Niemi, and Mikael Sjödahl (Finland)
111. **Diffraction of Plasmon-Polariton Beams on Metal/Metamaterial-Dielectric Interfaces**
Daria O. Saparina and Anatoly P. Sukhorukov (Russia)
112. **Compact Raman Spectrometer for Active Test of Liquid and Solid Samples**
Kerim Allakhverdiev, Tarik Baykara, Alper Secgin, Sunullah Ozbek, Aydin Ulubey, Zehra Salaeva, Fatih Huseyinoglu, S. L. Druzhinin, K. A. Konovalov, O. N. Smirnov, V. Y. Shchagin, S. Yu. Strakhov (Turkey)
113. **Lasers in Confocal Raman Research of Prehistoric Stones and Painted Hellenistic Potteries in Anatolian Archaeology**
Aydin Ulubey, B. Erdogan, A. Seçgin, S. Özbeck (Turkey)
114. **High Temperature Effects at Laser Heating of Ceramics in Different Ambient Atmospheres.**
Olga G. Tsarkova, Sergey V. Garnov (Russia)
115. **Measurement of Refractive Index Variation of Water as Function of Temperature and Wavelength with a Fiber Optic Sensor**
Serafettin Yaltkaya, E. Kendir and S. Bayır (Turkey)
116. **Optical Methods and Systems for Distance and Contact Dangerous Matters Detection**

S.Yu.Strakhov (Russia)

117. **Elliptically Polarized Laser Light For Characterization of Micro-Size Object(s) from Angular Scattering Profiles**
Mustafa M. Aslan and Kerim Allakhverdiev (Turkey)
118. **Gas Pumping Through Membranes by Resonance Radiation**
V.V. Levdansky, J. Smolik, P. Moravec (Russia)