

	26.09 Saturday
9:00-19:30	REGISTRATION
20:00	Welcome Buffet

	September 27 Sunday	
9:00-09:30	Registration	
9:30-10:00	<p>Welcome Speakers:</p> <p>Prof. Ivan SCHERBAKOV, Chairman of ALT09, Russia</p> <p>Prof. Nuket YETIS, President of TÜBİTAK, Turkey</p> <p>Prof. Vladislav PANCHENKO, Chairman of the Russian Foundation for Basic Research, Russia</p> <p>Prof. Sezer KOMSUOGLU, Rector of Kocaeli University , Turkey</p> <p>Prof. Mustafa AKAYDIN, Lord Mayor of Antalya, Turkey</p> <p>Prof. Kerim ALLAKHVERDIEV, Co-Chairman of Program Committee, Turkey.</p>	
10:00-10:20	Coffee Break	
10:20-10:40	BIOMEDICAL LASER APPLICATIONS	NON-LINEAR PHENOMENA
	<p>Raman Spectroscopy - A Powerful Tool in Biophotonics <u>Jürgen Popp</u> (Germany)</p>	<p>Spectral Response of Molecular Media under Nanoporous Confinement <u>V.G. Arakcheev, V.B.Morozov, A.N. Olenin, A.A.Valeev</u> (Russia)</p>
10:40-11:00	<p>Biophotonic Methods for the Assessment of Burn Injury in Human Skin <u>Martin Leahy</u> (Ireland)</p>	<p>THz Source Based on Two-Color Diode-Pumped c-cut Vanadat Lasers and GaSe Nonlinear Crystal <u>A.A. Sirotkin, S.V. Garnov, A.I. Zagumennyi, Yu.D. Zavartsev, S.A. Kutovoi, V.I. Vlasov, I.A. Shcherbakov</u> (Russia)</p>
11:00-11:20	<p>Multi-Dimensional Laser Microscopy in Biomedical Sciences <u>Herbert Schneckenburger, Petra Weber, Thomas Bruns and Michael Wagner</u> (Germany)</p>	<p>Nonlinear Optics at the Single Optical Cycle Limit <u>Eleftherios Goulielmakis</u> (Greece)</p>
11:20-11:40	<p>Laser Cancer Phototherapy Enhanced by Gold Nanoparticles <u>Valery V. Tuchin, Irina L. Maksimova, Georgy S. Deryantyuk, Garif G. Akchurin, Boris N. Khlebtsov, Nikolai G. Khlebtsov</u> (Russia)</p>	<p>Pair Collisions of Optical Pulses in Non-Linear Dispersive Media: Frequency Tuning and Velocity Variation <u>A.P. Sukhorukov, V.E. Lobanov</u></p>
11:40-12:00	<p>Imaging of Live Mammalian Embryos with Confocal Microscopy and Optical Coherence Tomography <u>Kirill V. Larin, Irina V. Larina, Saba Syed, Steven Ivers, Mary E. Dickinson</u> (USA)</p>	<p>Review for the Technique Development of Front end of SG Laser facility <u>Zhou Yi, Jianqiang Zhu, Xuechun Li, Wei Fan, Shaohe Chen, Zunqi Lin</u> (China)</p>
12:00-15:00	Lunch	
	BIOMEDICAL LASER APPLICATIONS	NON-LINEAR PHENOMENA
15:00-15:20	Nonlinear Optical Properties of Biomaterial	Laser Resonator Mode Connection and

	Nanocomposite Structures <u>Yuriy Kulchin</u> , A.V. Bezverbny, O.A. Bukin, S.S. Voznesenski, S.S. Golik, A.Yu. Mayor, Yu.A. Shipunov (Russia)	Change of this Connection under Influence of an External Optical Signal <u>V.P.Bykov</u> (Russia)
15:20-15:40	Fluorescent Detection and Photodynamic Inactivation of Pathogenic Microorganisms <u>Ekaterina Borisova</u> , V. Mantareva, I. Angelov, V. Kussovski, D. Woehrle, and L. Avramov (Bulgaria)	Powerful Few Cycle Optical Pulse Production and New Spectral Component Formation under Filamentation in Gases M. Kurilova, A. Mazhorova, D. Uryupina, n. Panov, G. golovin, S. gorgutsa, R. Volkov O. Kosareva, and <u>A. Savel'ev</u> (Russia)
15:40-16:00	Laser Scattering and Diffraction Assessment of the Effect of Diamond Nanoparticles on Blood Microrheology <u>Alexander Priezzhev</u> (Russia)	Phase Retrieval Method for Reconstructing Wavefront Aberration of Ultrashort High-Power Laser Pulse <u>Moon Tae Jeong</u> , Chu Min Kim, and Jongmin Lee (Korea)
16:00-16:20	Laser-Based Nanoengineering for Biomedical Applications <u>Boris Chichkov</u> (Germany)	Phase-Lock and Frequency Stabilization of Nd:YAG Lasers <u>Cihangir Erdogan</u> (Turkey)
16:20-16:40	Sorption of the Ions with Different Ionic Radii on Protein Surface in the Process of Nanocluster Formation Khlapov V.P, <u>G.P. Petrova</u> , Yu.M. Petrusevich (Russia)	
16:40-17:00	Medical Applications of Laser Spectroscopic Gas Analyses <u>Markus Sigrist</u> , R. Bartlome, and M. Gianella (Chehia)	
17:00-17:20	Coffee Break	
	BIOMEDICAL LASER APPLICATION	LASER IN ATMOSPHERE MONITORING
17:20-17:40	“Clean” and “Cold” Laser Transfer of Biomaterials <u>Taras Kononenko</u> , I.A.Nagovitsyn, G.K.Chudinova, V.I. Konov, I.N.Mihailescu, P.Alloncle, M.Sentis (Russia)	LIDAR Technologies of Remote Monitoring <u>Anatoly Boreysho</u> (Russia)
17:40-18:00	The Optical Nose, Laser Based Trace Gas Detection for the Early Monitoring of Human Health <u>Frans Harren</u> (Netherland)	Reference and Phase Shift Technique in Multipass Laser Schemes for Trace Gas Particles Detection <u>I.V.Nikolaev</u> , <u>V.N.Ochkin</u> , <u>S.N.Tskhai</u> (Russia)
18:00-18:20	Spectral Domain Optical Coherence Tomography Imaging of the Human Posterior Eye <u>Tapio Fabritius</u> , and Risto Myllyla (Finland)	Retrieval of Dust Particle Parameters from Multiwavelength Lidar Measurements <u>Igor Veselovskii</u> , Alexey Kolgotin, Oleg Dubovik, Sergey Vartapetov (Russia)
18:20-18:40	Functionalized Plasmon-Resonant Nanoparticles: Fabrication, Optical Properties, and Biomedical Applications <u>Nikolai Khlebtsov</u> (Russia)	Quantum Cascade Laser Spectrometers for Atmospheric Gas Detection <u>Virginie Zeninari</u> (France)
18:40-19:00	Surface-Assisted Laser Desorption Ionization of Organic Compounds. Mechanism and Applications. <u>S.Alimpiev</u> (Russia)	A Multi-Angle Laser Light Scattering Aerosol Spectrometer <u>A. Nagy</u> , A. Czitrovszky, A. Kerekes, W. Szymanski (Hungary)
17:00-19:30	POSTERS	

September 28 Monday		
	PHOTOACOUSTICS	LASER SYSTEMS
9:00-9:20	Optoacoustic Measurement of Optical Properties in Biological Tissues <u>Pelivanov I.M.</u> , Barskaya M.I., Podymova N.B., Khokhlova T.D., Karabutov A.A (Russia)	Numerical Analysis of Multilayer Optical Waveguides A.G. Rzhanov, <u>S.E. Grigas</u> (Russia)
9:20-9:40	Optoacoustic Array for Monitoring of Hemoglobin Concentration: Modeling and Experiment <u>Valeriy Andreev</u> , Tatiana Khokhlova, Alexander Bykov (Russia)	The Red and Infrared Emission Centers in Bismuth-Activated Silicate Glass. B. Denker, E. Dianov, <u>B. Galagan</u> , S. Sverchkov, I. Shulman (Russia)
9:40-10:00	Point Spread Function of Array Transducers in 2D Optoacoustic Tomography <u>Tatiana Khokhlova</u> , Ivan M. Pelivanov, Varvara A. Simonova and Alexander A. Karabutov (Russia)	Fluorescent and Optical Absorption Centers in Chromium-Doped LiGaSiO₄ Nano-Glass-Ceramics and Vitreous Precursors <u>Kirill A. Subbotin</u> , Valery A. Smirnov, Evgeny V. Zharikov, Ivan A. Shcherbakov (Russia)
10:00-10:20	Optoacoustic Cancer Diagnosis and Therapy M. Jaeger, S. Preisser, L. Siegenthaler, M. Kitz, <u>Martin Frenz</u> , D. Schol, M. Fléron, J.F. Greisch, M.C. De Pauw-Gillet, E. De Pauw J. Niederhauser, D. Schweizer (Switzerland)	Photoluminescence of CdTe Quantum Dots and Porous Silicon Oxide Nanocomposite <u>N.A. Piskunov</u> , E.D. Maslennikov, L.A. Golovan, V.Yu Timoshenko, P.K. Kashkarov (Russia)
10:20-10:40	Coffee Break	
	PHOTOACOUSTICS	LASER SYSTEMS
10:40-11:00	Imaging of Ultrasound Transmission Parameters in Photoacoustic Tomography <u>Srirang Manohar</u> , Rene G.H. Willemink, Jithin Jose, Steffen Resnik, Cornelis H. Slump, Ferdi van der Heijde and Ton G. van Leeuwen (Netherlands)	Thin Disk Laser: A Versatile Tool for Micro Machining <u>Friedrich Dausinger</u> (Germany)
11:00-11:20	Laser Induced Photoacoustic and Vaporization Pressure Signals in Water: New Experimental Results <u>A.A. Samokhin</u> , V.I. Vovchenko, and N.N. Il'ichev (Russia)	A cw Tm,Ho:YLF Laser Pumped by Raman Erbium Fiber laser at 1675 nm Yu. L. Kalachev, <u>V. A. Mihailov</u> , V. V. Podreshetnikov, I. A. Shcherbakov (Russia)
11:20-11:40	Evaluation of Microstructure of Severely Plastically Deformed Metals by Laser Ultrasound V. V. Kazhushko, G. Paltauf, and <u>H. Krenn</u> (Austria)	Pedestal Suppression in a Short-Pulse Fiber-Laser Output by Soliton Self-Frequency Shift in a Photonic-Crystal Fiber <u>D.A. Sidorov-Biryukov</u> , E.E. Serebryannikov, A. Voronin, A. Fernandez, L. Zhu, A. Pugzlys, F.Ö. Ilday, J.C. Knight, A. Baltuška, and A.M. Zheltikov (Russia)
11:40-12:00	Characterization of Giant Photoacoustical Signals in Layered Crystals by a Novel Transient Free-Carrier Absorption	Broadly Tunable Tm,Ho:KYW Laser Around 2 μm and its Mode-Locked Operation A.A. Lagatsky, S. Calvez, N.V. Kuleshov, W.

	Technique <u>Vytautas Grivickas</u> , V. Gavryushin, K. Gulbinas, V. Bikbajevs, K. R. Allakhverdiev, and D. A. Huseinova (Latvia)	Sibbett (United Kingdom)
12:00-15:00	Lunch	
	PHOTOACOUSTICS	LASER SYSTEMS
15:00-15:20	High Power Quantum Cascade Lasers and Applications to High Sensitivity, High Selectivity Detection of Chemical Warfare Agents and Explosives <u>C. Kumar N.Patel</u> (USA)	Diode-Pumped Disk and Slab Solid-State Lasers <u>Vladimir Tsvetkov</u> , Vladimir Seregin, Andrew Lyashedko, Galina Bufetova, Dmitriy Nikolaev, Ivan Shcherbakov (Russia)
15:20-15:40	Photoacoustic Spectroscopy: Low VS. High Laser Power <u>Dan Constantin Dumitras</u> , D. C. A. Dutu, A. M. Bratu, M. Patachia, C. Achim, M. Petrus, C. Matei, S. Banita (Romania)	CW and Pulsed Lasers Based on Er-doped GTWave Fiber <u>A.S.Kurkov</u> , A.I.Ivanenko, S.M.Kobtsev, S.V.Kukarin (Russia)
15:40-16:00	Three-Dimensional Acousto-Optic Mapping in Tissue Mimicking Phantoms Using Heterodyne Light-Scattering Spectroscopy. <u>Aliaksandr Bratchenia</u> , R. Molenaar, <u>R.P.H. Kooyman</u> (Netherlands)	Chemical Vapor Deposited (CVD) Diamond for Laser Applications <u>V.G. Ralchenko</u> , V.I. Konov, A.P. Bolshakov, A.F. Popovich, V.V. Kononenko, M.N. Sinyavskiy, E.E. Ashkinazi, A.A. Kaminskii, A.Yu. Lukyanov, A.V. Khomich (Russia)
16:00-16:20	Acousto-Optical Methods of Image Processing <u>Oleg Makarov</u> , Wladimir Molchanov, Jewgenij Maximov (Germany)	High Accuracy TN Optical Commutator of Laser Radiation for Application in Space Navigation <u>V. Pokrovsky</u> , S. Studentsov, L. Soms, <u>M. Tomilin</u> (Russia)
16:20-16:40	Self-Mixing Interferometry Silvano Donati (Italy)	Investigating Ultra-Intense Plasma-Based Soft x-ray Lasers <u>Philippe Zeitoun</u> , Marta Fajardo, Pedro Velarde-Mayol, Frederic Burgy, Kevin Cassou, Julien Gautier, Jean-Philippe Goddet, Guillaume Lambert, David Ros, Anna Barszczak Sardinha, Stephane Sebban, Amar Tafzi (France)
16:40-17:00		High Power Femtosecond Thin Disk Lasers <u>Thomas Südmeyer</u> , Cyrill R. E. Baer, Christian Kränkel, Oliver H. Heckl, C.J. Saraceno, Matthias Golling, Rigo Peters, Klaus Petermann, Günter Huber, and Ursula Keller (Germany)
17:00-17:20	Coffee Break	
	LIGHT-MATTER INTERACTION	LASER SYSTEMS
17:20-17:40	Three-Waves Interactions of Surface Defect-Deformational Waves and Their Role in Selforganization of Nano and Microstructures Under Laser Action on Solids <u>V.I.□mel'yanov</u> , D.□.Seval'nev (Russia)	High Power CW and Pulsed Fiber Lasers with China-Made Yb-Doped LMA Fiber at SIOM <u>Qihong Lou</u> , Jun Zhou, Bin He and Songtao Du (China)
17:40-18:00	Neutral and Charged Species Produced	Lasing Properties of a New Ytterbium-Doped

	Through Lasers in Solid and Gas Phase: Spectroscopy and Mass Spectrometry. <u>A.Giardini</u> , S. Orlando, A. Paladini, S. Piccirillo, F.Rondino, A. Santagata, P. Villani (Italy)	Glass for Miniature Diode-Pumped Ultrashort Pulse Lasers B.I.Denker, B.I.Galagan, I.N.Glushenko, V.E.Kisel, S.V.Kulchik,N.V.Kuleshov, S.E.Sverchkov (Russia)
18:00-18:20	Direct-Write of 3-Dimensional Materials Structures from Gaseous Precursors and Applications <u>Michael Stuke</u> (Germany)	Diamond p-n-Junction for UV Streamer Laser <u>Sergei Buga</u> , V. Blank, V. Bormashov, V. Denisov, S. Terentiev, A. Kirichenko, N. Kornilov, M. Kuznetsov, V. Mordkovich, E. Pel, S. Tarelkin (Russia)
18:20-18:40	Ultrafast Light Blade: Anisotropic Sensitivity of Isotropic Medium to Femtosecond Laser Radiation <u>Peter G. Kazansky</u> , Yasuhiko Shimotsuma, Jiarong Qiu, Weijia Yang, Masaaki Sakakura, Martynas Beresna, Yuri Svirko, Selcuk Akturk and Kazuyuki Hirao (United Kingdom)	High-Power Coherent Beam Combination from Two and Four Fiber Lasers <u>Jun Zhou</u> , Bin He, Wei Wang, Qihong Lou (China)
18:40-19:00	Turkish Accelerator Complex, FEL Resonator System <u>H. Duran Yildiz</u> (Turkey)	Laser Raman Microscopy, Pigments and the Arts/Science Interfaces <u>R.J.H. Clark</u> (United Kingdom)
19:00-19:20	Nanowires, Nanoloops and Nanorods by CVD <u>Michael Veith, Cenk Aktas</u> (Germany)	
17:00-19:30	POSTERS	
21:00	Committee Meeting	

	September 29
	Tuesday
9:00-19:30	Social program
20:00	Gala dinner

	September 30	
	Wednesday	
	LIGHT-MATTER INTERACTION	
	DIAGNOSTICS	
9:00-9:20	Laser Crystallisation Induced Multicrystalline Silicon Thin Film Solar Cells on Glass: European High-EF project <u>F. Antoni</u> , E. Fogarassy, A. Slaoui, F. Falk, E. Ose, S. Christiansen, G. Sarau, J. Schneider, (France)	Roughness Measurement with Laser Speckle Pattern of Milled Metals Using Speckle Statistics Analysis <u>Ersin Kayahan</u> , Fikret Hacizade, Ozcan Gundogdu, Humbat Nasibov (Turkey)
9:20-9:40	Femtosecond Laser Applied to Photovoltaic Cell processing <u>M. Sentis</u> , Th. Sarnet and J. Hermann (France)	Development of Laser-Based Metrology Methods for Extreme Light Infrastructure Project <u>Aladar Czitrovszky</u> (Hungary)

9:40-10:00	a-Si:H/c-Si Heterojunction for Photovoltaic Application <u>Osman Kodolbas</u> (Turkey)	Lasers in Spectroscopy to Study Materials Under Extreme Conditions <u>Hans Dieter Hochheimer</u> , (USA)
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10:00-10:20		Structural Diagnostics of Polymer Materials by Raman Spectroscopy <u>Kirill Prokhorov</u> , E.A. Sagitova, G.Yu. Nikolaeva, P.P. Pashinin, P. Donfack, and A. Materny (Russia)
10:20-10:40		Coffee Break
	LIGHT-MATTER INTERACTION	DIAGNOSTICS
10:40-11:00	A Review of Laser Ablation Propulsion <u>Claude Phipps</u> , W. Bohn, T. Lippert, M. Michaelis, A. Sasoh, W. Schall and J. Sinko (USA)	"An Ultrafast Single-Photon Image Diagnostics Sensor with APD Arrays for Industrial and Bio-Applications" <u>E.Charbon</u> and <u>S.Donati</u> (Italy)
11:00-11:20	High-Intensity Terahertz Pulses: Methods of Generation and Applications <u>Sergey V. Garnov</u> (Russia)	Investigation of Radio-Optic Resonances on Far Field and Free Space Condition <u>Mustafa Cetintas</u> , R. Hamid, S. Çakir, O. Sen (Turkey)
11:20-11:40	Laser Cleaning of Metals: Fundamentals, Practical Applications and Future Prospects <u>Vadim Veiko</u> , V.N. Smirnov, T.Yu. Moutin, E.A. Shakhno (Russia)	Optical Characterization and Thin Film Electronics Applications of Carbon Nanobuds and -Tubes <u>Esko I. Kauppinen</u> (Finland)
11:40-12:00	LIBS-study of Components Migration in Steel Weld Joints <u>Elena L. Surmenko</u> , Tatiana N. Sokolova, and Ivan A. Popov (Russia)	Nano-Aquarium Integrated with Functional Microcomponents in Photostructurable Glass by Femtosecond Laser Microprocessing for Microorganism Analysis <u>Y. Hanada</u> , K. Sugioka, H. Kawano, I. Ishikawa A. Miyawaki, M. Iida, H. Takai K. Modrikawa (Japan)
12:00-15:00		Lunch
	LIGHT-MATTER INTERACTION	LASER SYSTEMS
15:00-15:20	Laser-Assisted Fabrication of Silicon Nanocrystals in Liquids <u>S.V. Zabotnov</u> , P.A. Perminov, A.A. Ezhov, I.O. Dzhun, L.A. Golovan, P.K. Kashkarov (Russia)	A New Approach for Developing Highly effective Solid-State HV Pulse Generators for Laser Pumping <u>Sergey Moshkhunov</u> (Russia)
15:20-15:40	Theoretical and Experimental Characterization of Nanosecond-Laser-Induced Plasmas for Ignition <u>Ernst Wintner</u> (Austria)	A Novel Pattern Recognition Approach for Noisy Frequency-Resolved-Optical-Gating Traces <u>Chao-Kuei Lee</u> , Wei-Hong Su, Sung-Hui Lin, T. R. Tsai (Taiwan)
15:40-16:00	Laser-Induced Surface Modification of Organic polymers <u>Lokman Torun</u> (Turkey)	Plasma-Based Extreme Ultra-Violet Lasers <u>G.J. Tallents</u> , I. Al'Miev, N. Booth, L.M.R. Gartside, H. Huang, A. K. Rossall, E. Wagenaars, D. S. Whittaker, Z. Zhai (United Kingdom)
16:00-16:20	Synthesis by Pulsed Laser Ablation in Ar and SERS Activity of Silver Thin Films with Controlled Nanostrucure <u>C. D'Andrea</u> , F. Neri, P.M. Ossi, N. Santo, Sebastiano Trusso (Italy)	Temporal Optimization of 0.1- Hz.0.5- PW Laser Pulses <u>Jae Hee Sung</u> , Tae Jun Yu, Seong Ku Lee, Tae Moon Jeong, Il Woo Choi, and Jongmin Lee (Korea)
16:20-16:40	Zinc Oxide Nanostructured Layers for Gas Sensing Applications	Recent Advances of High Power 1 μm Lasers <u>Manfred Berger</u> (Germany)

	A.P. Caricato, A. Cretí, <u>A. Luches</u> , M. Lomascolo, M. Martino, R. Rella, D. Valerini (Italy)	
16:40-17:00	Terahertz Reflection Response Measurement Using a Photon Polariton Wave <u>Kenji Katayama</u> (Japan)	Z-Scan Investigation of Concentration Dependency of Nonlinear Optical Responses in Triphenylmethane Dye Solutions <u>Humbat Nasibov</u> , Izmir Mamedbeili (Turkey)
17:00-17:20	Coffee Break	
	LIGHT-MATTER INTERACTION	LASER SYSTEMS
17:20-17:40	Terahertz Applications of Nanostructured Alumina Oxyhydroxide Based Artificial Materials A.V. Andreev, M.N. Esaulkov, A.□. Khodan, M.M. Nazarov, A.A. Konovko, D.A. Sapozhnikov, I.N. Smirnova, A.P. <u>Shkurinov</u> (Russia)	Nano-Imaging and Nano-Patterning with Compact EUV Lasers: New Opportunities in Nanotechnology with a Table Top System <u>Mario Marconi</u> (USA)
17:40-18:00	Functional Surface Structures Using Femtosecond Ablation <u>Paivasaari Kimmo</u> , <u>Jääskeläinen Timo</u> (Finland)	Laser Designator and Range Finder Design <u>Birol Erenturk</u> (Turkey)
18:00-18:20	Application of the Pulse Laser Deposition Method for Preparation Film Nanostructure of Metals and Semiconductors <u>O.A. Novodvorsky</u> , E.V. Khaydukov, A.A. Lotin, L.S. Parshina, V.V. Rocheva, V.Ya. Panchenko (Russia)	New Frontiers in Tunable Laser Technology: Optical Parametric Oscillators Spanning the Ultraviolet to Mid-Infrared <u>Majid Ebrahim-Zadeh</u> (Spain)
18:20-18:40	Laser Modification of 1D Al/Al₂O₃ Nanostructures <u>C. Aktas</u> , C. Akkan, M. Veith (Germany)	Pishaper-Beam Shaping Optics for Advanced Laser Technologies <u>Aleksandr Laskin</u> (Germany)
18:40-19:00	Optimization of Ultrashort Pulsed Laser Radiation for Precise and Productive Micromashining <u>P. Pivovarov</u> , S. Klimentov, V. Konov, D. Walter, M. Kraus, F. Dausinger (Russia)	High Power Fiber Lasers <u>Bulend Ortac</u> (Germany)
17:00-19:30	POSTERS	

	October 01 Thursday	
	LIGHT-MATTER INTERACTION	LASER SYSTEMS
9:00-9:20	Obtaining of Extremely Homogeneous Volume Self-Sustained Discharge for Powerful CO₂-Lasers Pumping <u>Vladimir Yamshchikov</u> (Russia)	GaS_{0.4}Se_{0.6}: Relevant Properties and Potential for 1064 nm Pumped Mid-IR OPOs and OPGs Operating above 5 μm <u>Valentin Petrov</u> , Vladimir Panyutin, Alexey Tyazhev, Georgi Marchev, Alexander I. Zagumennyi, Fabian Rotermund and Frank Noak (Germany)
9:20-9:40	Stable Laser-Plasma Picosecond kHz X-ray Source Using Melted Metal Target	Ultrafast Low-Noise High-Power Fiber Lasers: Applications from Material Processing to Next-

	<u>Konstantin Ivanov</u> , D.S. Uryupina, R.V. Volkov, A.B. Savel'ev, I.A. Ozheredov, A.P. Shkurinov (Russia)	Generation Accelerators <u>Omer Ilday</u> (Turkey)
9:40-10:00	Waveguides in Laser Crystals Inscribed by a Femtosecond Laser Beam <u>Andrey Okhrimchuk</u> , A.V. Shestakov, V. Mezentsev, and I. Bennion (United Kingdom)	Alternative Materials for High Power Lasers <u>Zelmon D.</u> (USA)
10:00-10:20	Effect of CO2 Laser Focusing on Groove Cutting into Steel Surfaces <u>Suleyman Biyikli</u> , J. Yilmazkaya Sungu (Turkey)	Polycrystalline Yttrium Aluminum Garnet for Fiber Lasers <u>Randall S. Hay</u> , Geoff Fair, Hee Dong Lee, Triplicane Parthasarathy, Kristin Keller, Pavel Mogilevsky (Canada)
10:20-10:40	CLOSING CEREMONY	