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Rui Vilar
Olinda Conde
Marta Fajardo
Luís O. Silva
Margarida Pires
Andrei Utkin
Editors

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Contents

xiii	Conference Committees
xvii	Introduction

GAS AND CHEMICAL LASERS

7131 02	COIL radiation of high brilliance (Invited Paper) [7131-82] J. Handke, German Aerospace Ctr. (DLR) (Germany)
7131 03	High-power supersonic chemical lasers: gas-dynamic problems of operation of mobile systems with PRS (Invited Paper) [7131-94] A. S. Boreysho, V. M. Malkov, A. V. Savin, Laser Systems Ltd. (Russian Federation)
7131 04	Analysis of subsonic COIL performance with a magnetic modulation [7131-42] J. Beránek, K. Rohlena, Institute of Physics (Czech Republic)
7131 05	Advanced kinetic package for COIL [7131-22] V. N. Azyazov, P.N. Lebedev Physical Institute (Russian Federation); M. C. Heaven, Emory Univ. (United States); S. Yu. Pichugin, P.N. Lebedev Physical Institute (Russian Federation)
7131 06	RF discharge slab carbon monoxide laser: overtone lasing (2.5-4.0 micron) and fundamental band tuning (5.0-6.5 micron) [7131-02] A. A. Ionin, A. Yu. Kozlov, L. V. Seleznev, D. V. Sinitsyn, P.N. Lebedev Physical Institute (Russian Federation)
7131 07	Influence of nitrogen oxides on singlet delta oxygen production in pulsed electric discharge for oxygen-iodine laser [7131-05] A. A. Ionin, Yu. M. Klimachev, A. A. Kotkov, A. Yu. Kozlov, P.N. Lebedev Physical Institute (Russian Federation); I. V. Kochetov, A. P. Napartovich, Troitsk Institute for Innovation and Thermonuclear Research (Russian Federation); O. A. Rulev, L. V. Seleznev, D. V. Sinitsyn, N. P. Vagin, N. N. Yuryshv, P.N. Lebedev Physical Institute (Russian Federation)
7131 08	Achievement of positive gain in the amine-based all gas-phase iodine laser system [7131-45] T. Masuda, Keio Univ. (Japan); T. Nakamura, M. Endo, Tokai Univ. (Japan); T. Uchiyama, Keio Univ. (Japan)
7131 09	Supersonic COIL driven by centrifugal bubbling SOG with efficient depletion of chemicals in single pass [7131-10] M. V. Zagidullin, V. D. Nikolaev, N. A. Khvatov, M. I. Svistun, P.N. Lebedev Physical Institute (Russian Federation)
7131 0A	Properties of a DC glow discharge iodine atom generator [7131-23] V. N. Azyazov, P. A. Mikheyev, M. V. Vorobyov, N. I. Ufimtsev, P.N. Lebedev Physical Institute (Russian Federation)

- 7131 OB **Systematic development of the electric discharge oxygen-iodine laser** [7131-41]
D. L. Carroll, G. F. Benavides, CU Aerospace LLC (United States); J. W. Zimmerman, B. S. Woodard, Univ. of Illinois at Urbana-Champaign (United States); A. D. Palla, J. T. Verdeyen, CU Aerospace LLC (United States); W. C. Solomon, Univ. of Illinois at Urbana-Champaign (United States)
- 7131 OC **Experimental modeling the active medium of a pulsed DOIL with volume generation of iodine atoms** [7131-26]
N. N. Yuryshev, N. P. Vagin, P.N. Lebedev Physical institute (Russian Federation)
- 7131 OD **Supersonic COILs at Ben-Gurion University: (1) experiments on 10-cm gain-length device and (2) computational fluid dynamics modelling** [7131-20]
I. Bami-Rosilio, Ben-Gurion Univ. of the Negev (Israel); K. Waichman, NRCN (Israel); B. D. Barmashenko, S. Rosenwaks, Ben-Gurion Univ. of the Negev (Israel)
- 7131 OE **RF discharge generation of I atoms in CH₃I and CF₃I for COIL/DOIL** [7131-48]
J. Schmiedberger, V. Jirásek, M. Čenský, I. Picková, J. Kodymová, Institute of Physics (Czech Republic)
- 7131 OF **Double-pass hybrid resonator for COIL** [7131-70]
C. Pargmann, T. Hall, F. Duschek, K. M. Grünwald, J. Handke, German Aerospace Ctr. (DLR) (Germany)
- 7131 OG **High-power CO laser with RF discharge for isotope separation employing condensation repression** [7131-30]
I. Ya. Baranov, A. V. Koptev, Baltic State Technical Univ. (Russian Federation)
- 7131 OH **Spray generator of singlet oxygen with a centrifugal separation of liquid** [7131-61]
O. Špalek, V. Jirásek, M. Čenský, J. Kodymová, I. Picková, Institute of Physics (Czech Republic)
- 7131 OI **Singlet oxygen generators—the heart of chemical oxygen iodine lasers: past, present, and future** [7131-35]
K. B. Hewett, Air Force Research Lab. (United States)
- 7131 OJ **Multiphase reacting flow modeling of singlet oxygen generators for chemical oxygen iodine lasers** [7131-17]
L. C. Musson, R. P. Pawlowski, A. G. Salinger, Sandia National Labs. (United States); T. J. Madden, K. B. Hewett, Air Force Research Lab. (United States)
- 7131 OK **Development of a picosecond CO₂ laser system for a high-repetition γ -source** [7131-46]
M. N. Polyanskiy, I. V. Pogorelsky, V. E. Yakimenko, Brookhaven National Lab. (United States); V. T. Platonenko, Lomonosov Moscow State Univ. (Russian Federation)
- 7131 OL **Experimental study on the surface discharge optical pumping source with high repetition mode** [7131-13]
L. Yu, X. An, L. Ma, A. Yi, F. Zhu, C. Huang, J. Liu, Northwest Institute of Nuclear Technology (China)

- 7131 OM **Study of COIL active medium with atomic iodine generated via fluorine atoms** [7131-55]
V. Jirásek, O. Špalek, M. Čenský, J. Kodymová, I. Picková, Institute of Physics (Czech Republic); I. Jakubec, Institute of Inorganic Chemistry (Czech Republic)
- 7131 OO **Study of energy and time dependency characteristics of pulse-periodic oxygen-iodine laser** [7131-91]
V. G. Gorelov, I. V. Gostev, V. V. Kalinovskiy, I. A. Komissarov, V. V. Konovalov, I. V. Konovalov, V. N. Mikhalkin, V. D. Nikolaev, I. V. Sevryugin, A. V. Smirnov, R. E. Sobolev, L. N. Shornikov, S. D. Velikanov, Russian Federal Nuclear Ctr. (Russian Federation)
- 7131 OP **Self-pulsing instabilities in fast-flow gas lasers** [7131-53]
L. S. Kouzminsky, A. I. Odintsov, A. I. Fedoseev, Lomonosov Moscow State Univ. (Russian Federation)
- 7131 OQ **Optimisation of characteristics of a cw chemical HF laser with a new method for oxidising gas production** [7131-29]
V. K. Rebone, I. A. Fedorov, Yu. P. Maksimov, V. A. Mitryaev, N. E. Tret'yakov, A. L. Etsina, Russian Scientific Ctr. (Russian Federation)
- 7131 OR **A computational fluid dynamics simulation of a high-pressure ejector COIL and comparison to experiments** [7131-18]
K. Waichman, NRCN (Israel); B. D. Barmashenko, S. Rosenwaks, Ben-Gurion Univ. of the Negev (Israel)
- 7131 OS **Analysis of lasing in COILs with positive and negative branch unstable resonators using a simple geometrical-optics model** [7131-49]
B. D. Barmashenko, Ben-Gurion Univ. of the Negev (Israel)
- 7131 OT **Evaluation of high-repetition-rate excitation discharge in TEA gas laser with supersonic gas flow** [7131-21]
G. Imada, Niigata Institute of Technology (Japan) and Nagaoka Univ. of Technology (Japan); T. T. Son, M. Suzuki, W. Masuda, Nagaoka Univ. of Technology (Japan)
- 7131 OU **Initial development of hybrid plasma jet generator of $O_2(^1\Delta)$ for DOIL** [7131-50]
J. Schmiedberger, K. Rohlena, Institute of Physics (Czech Republic); P. Filip, J. Gregor, M. Hrabovský, P. Křenek, Institute of Plasma Physics (Czech Republic); V. Jirásek, J. Kodymová, Institute of Physics (Czech Republic)
- 7131 OV **Pulse periodic HF (DF)-laser of atmospheric pressure with pulse repetition rate up to 2200 Hz** [7131-92]
S. D. Velikanov, P. A. Evdokimov, A. F. Zapol'sky, B. E. Kodola, D. V. Sokolov, V. Ya. Cernopyatov, E. D. Yakovlev, Russian Federal Nuclear Ctr. (Russian Federation)
- 7131 OW **Carbon monoxide laser emitting nanosecond pulses with 10 MHz repetition rate** [7131-04]
A. A. Ionin, Y. M. Klimachev, A. A. Kotkov, A. Yu. Kozlov, L. V. Seleznev, D. V. Sinitsyn, P.N. Lebedev Physical Institute (Russian Federation)
- 7131 OX **Analysis of COIL resonator expanding angle design** [7131-90]
S. Li, Z. Yu, X. Shu, Y. Du, X. Du, Institute of Applied Physics and Computational Mathematics (China)

SOLID STATE, DISK, AND FIBRE LASERS

- 7131 0Y **SBS mitigation with multi-tone amplification: a theoretical model** [7131-08]
C. Zeringue, I. Dajani, T. J. Bronder, T. Shay, C. Robin, Air Force Research Lab. (United States)
- 7131 0Z **Frequency shifting of high-power laser radiation by stimulated Raman scattering in crystals** [7131-74]
H. Rhee, Technische Univ. Berlin (Germany); V. A. Lisinetskii, V. A. Orlovich, B.I. Stepanov
Institute of Physics (Belarus); A. A. Kaminskii, Institute of Crystallography (Russian Federation);
H. J. Eichler, Technische Univ. Berlin (Germany)
- 7131 10 **Diode-pumped ytterbium-based chirped-pulse amplifier** [7131-59]
M. Siebold, Max-Planck-Institute for Quantum Optics (Germany) and Friedrich-Schiller-Univ.
Jena (Germany); S. Klingebiel, C. Wandt, Max-Planck-Institute for Quantum Optics
(Germany); M. Wolf, J. Koerner, M. Hornung, J. Hein, Friedrich-Schiller-Univ. Jena (Germany);
F. Krausz, S. Karsch, Max-Planck-Institute for Quantum Optics (Germany)
- 7131 11 **Tunable Nd:GSAG laser around 943 nm for water vapor detection** [7131-51]
F. Kallmeyer, X. Wang, H. J. Eichler, Technische Univ. Berlin (Germany)
- 7131 12 **Status of prototype of SG-III high-power solid-state laser** [7131-86]
H. Yu, F. Jing, X. Wei, W. Zheng, X. Zhang, Z. Sui, M. Li, D. Hu, S. He, Z. Peng, B. Feng, H. Zhou,
L. Guo, X. Li, J. Su, R. Zhao, D. Yang, K. Zheng, X. Yuan, Research Ctr. of Laser Fusion (China)
- 7131 13 **High-average power disk laser face-pumped by 2D-stack diode arrays** [7131-84]
C. Tang, Z. Yao, J. Jiang, B. Tu, Z. Cai, H. Hu, K. Zhang, Institute of Applied Electronics (China)
- 7131 14 **Experimental study of face and edge-pumped ceramic slab DPSSLs in the 100-500W power range** [7131-09]
A. Lapucci, M. Ciofini, M. De Rosa, E. Favilla, E. Sani, A. Rocco, Istituto Nazionale di Ottica
Applicata, CNR (Italy)
- 7131 15 **Broadband frequency tripling based on segmented partially deuterated KDP crystals** [7131-87]
B. Feng, W. Han, F. Li, K. Li, F. Wang, Research Ctr. of Laser Fusion (China)

UV AND VUV LASERS

- 7131 16 **A laser-plasma clean soft x-ray source for projection microlithography (Invited Paper)** [7131-80]
S. Bollanti, P. Di Lazzaro, F. Flora, L. Mezi, D. Murra, A. Torre, ENEA (Italy)
- 7131 17 **Long term tests of resonator optics in ArF excimer lasers** [7131-60]
N. Beermann, H. Blaschke, H. Ehlers, D. Ristau, Laser Zentrum Hannover e.V. (Germany);
D. Wulff-Molder, Korth Kristalle GmbH (Germany); S. Jukresch, A. Matern, Coherent GmbH
(Germany); M. Bischoff, D. Gäbler, N. Kaiser, Fraunhofer-Institut für Angewandte Optik und
Feinmechanik (Germany)

- 7131 18 **Harmonics generation in VUV spectral region driven by a NIR Ti:sapphire laser in rare gases** [7131-88]
M. Katto, K. Oda, M. Kaku, S. Kubodera, A. Yokotani, Univ. of Miyazaki (Japan);
N. Miyanaga, K. Mima, Osaka Univ. (Japan)
- 7131 19 **Physical and chemical processes in the working mixture of I₂ laser of the UV-range with optical pumping** [7131-31]
B. S. Alexandrov, V. N. Baboshin, V. P. Fokanov, A. B. Pavlov, Russian Scientific Ctr. (Russian Federation)
- 7131 1A **Fluorescence and transient absorption spectra of excimer laser mixtures** [7131-100]
A. O. Levchenko, N. N. Ustinovskii, V. D. Zvorykin, P.N. Lebedev Physical Institute (Russian Federation)
- 7131 1B **Advances in industrial high-power excimer laser technology** [7131-27]
I. Bragin, T. Misyuryaev, A. Targsdorf, I. Klaff, L. Herbst, W. Zschocke, K. Schmidt, Coherent GmbH (Germany)
- 7131 1C **OFl argon excimer amplifier for intense subpicosecond VUV pulse generation** [7131-106]
M. Kaku, S. Kubodera, K. Oda, M. Katto, A. Yokotani, Univ. of Miyazaki (Japan);
N. Miyanaga, K. Mima, Osaka Univ. (Japan)

RESONATORS AND ACTIVE OPTICS

- 7131 1D **A 1kW azimuthally polarized CO₂ laser** [7131-44]
M. Endo, Tokai Univ. (Japan)
- 7131 1E **High-power infrared super-Gaussian beams: generation, propagation, and application** [7131-105]
N. C. du Preez, SDILasers (South Africa); A. Forbes, CSIR National Laser Ctr. (South Africa) and Univ. of KwaZulu-Natal (South Africa); L. R. Botha, CSIR National Laser Ctr. (South Africa)
- 7131 1F **Optical components of adaptive systems for improving laser beam quality** [7131-15]
Y. I. Malakhov, International Science & Technology Ctr. (Russian Federation); V. V. Atuchin, Institute of Semiconductor Physics (Russian Federation); A. V. Kudryashov, Moscow State Open Univ. (Russian Federation); F. A. Starikov, Russian Federal Nuclear Ctr. (Russian Federation)
- 7131 1G **Correction of vortex laser beams in a closed-loop adaptive system with bimorph mirror** [7131-14]
F. A. Starikov, Russian Federal Nuclear Ctr. (Russian Federation); V. P. Aksenov, Institute of Atmospheric Optics (Russian Federation); V. V. Atuchin, Institute of Semiconductor Physics (Russian Federation); I. V. Izmailov, F. Yu. Kanev, Institute of Atmospheric Optics (Russian Federation); G. G. Kochemasov, S. M. Kulikov, A. N. Manachinsky, N. V. Maslov, A. V. Ogorodnikov, Russian Federal Nuclear Ctr. (Russian Federation); I. S. Soldatenkov, Institute of Semiconductor Physics (Russian Federation); S. A. Sukharev, Russian Federal Nuclear Ctr. (Russian Federation)

NOVEL APPROACHES

- 7131 1H **Q-switching with a dual mode single crystal photo-elastic modulator** [7131-47]
F. Bammer, Vienna Univ. of Technology (Austria); R. Petkovsek, Univ. of Ljubljana (Slovenia); B. Schulz, M. Frede, Laser Zentrum Hannover e.V. (Germany)
- 7131 1I **Radially polarized high-power lasers** [7131-71]
M. Abdou Ahmed, A. Voß, M. M. Vogel, A. Austerschulte, Univ. Stuttgart (Germany); J. Schulz, TRUMPF Laser- und Systemtechnik GmbH (Germany); V. Metsch, TRUMPF Werkzeugmaschinen GmbH + Co. KG (Germany); T. Moser, LASAG AG (Switzerland); T. Graf, Univ. Stuttgart (Germany)
- 7131 1J **Prognosis of the copper bromide laser generation through statistical methods** [7131-66]
I. P. Iliev, Technical Univ. Sofia (Bulgaria); S. G. Gocheva-Ilieva, The Paissi Hilendarski Univ. of Plovdiv (Bulgaria); N. V. Sabotinov, Georgi Nadjakov Institute of Solid State Physics (Bulgaria)

LASER MATTER INTERACTIONS: FUNDAMENTALS AND APPLICATIONS

- 7131 1K **Nonlinear ionization of pure atomic and molecular gases by intense UV femtosecond laser pulses** [7131-03]
A. A. Ionin, S. I. Kudryashov, P.N. Lebedev Physical Institute (Russian Federation); Y. N. Ponomarev, Institute of Atmospheric Optics (Russian Federation); L. V. Seleznev, D. V. Sinitsyn, P.N. Lebedev Physical Institute (Russian Federation); B. A. Tikhomirov, Institute of Atmospheric Optics (Russian Federation); A. A. Tikhov, V. D. Zvorykin, P.N. Lebedev Physical Institute (Russian Federation)
- 7131 1L **Comparative time resolved shadowgraphic imaging studies of nanosecond and picosecond laser transfer of organic materials** [7131-99]
L. Rapp, C. Cibert, A. P. Alloncle, P. Delaporte, Lab. LP3, CNRS, Univ. de la Méditerranée S. Nenon, C. Vidélot-Ackermann, F. Fages, Ctr. Interdisciplinaire de Nanosciences de Marseille (France)
- 7131 1M **KrF laser treatment of human dentin** [7131-97]
S. Eugénio, R. Vilar, V. Oliveira, M. Sivakumar, Instituto Superior Técnico, Univ. Técnica de Lisboa (Portugal)
- 7131 1N **The absorptivity of low-carbon steel under Nd:YAG CW laser loading** [7131-85]
G. Wang, C. Wang, Y. Zhang, X. Xiong, X. Tang, Institute of Fluid Physics (China)
- 7131 1O **EUV and debris characteristics of a laser-plasma tin-dioxide colloidal target** [7131-79]
S. Kubodera, M. Kaku, S. Touge, M. Katto, Univ. of Miyazaki (Japan)
- 7131 1P **High-power repetition rate Q-switched CO₂ laser and its application to study the optical breakdown in a supersonic air stream** [7131-95]
A. N. Malov, A. M. Orishich, V. B. Shulatyev, Khristianovich Institute of Theoretical and Applied Mechanics (Russian Federation)
- 7131 1Q **Bioactive ceramic glasses in situ synthesized by laser melting** [7131-65]
M. Taca, E. Vasile, Metav-Cercetare Dezvoltare S.A. (Romania); L. Boroica, National Glass Institute (Romania); M. Udrea, R. Medianu, National Institute for Lasers, Plasma and Radiation Physics (Romania); M. C. Munteanu, Univ. of Bucharest (Romania)

- 7131 1R **Colouring fabrics with excimer lasers to simulate encoded images: the case of the Shroud of Turin** [7131-73]
P. Di Lazzaro, G. Baldacchini, ENEA (Italy); G. Fanti, Univ. degli Studi di Padova (Italy); D. Murra, A. Santoni, ENEA (Italy)

MICRO- AND NANOFABRICATION

- 7131 1S **Laser micro/nanoprocessing for functional electronics (Invited Paper)** [7131-16]
S. H. Ko, H. Pan, C. P. Grigoropoulos, Univ. of California, Berkeley (United States)
- 7131 1T **Laser engraving of paper and polymeric materials for tactile detection** [7131-81]
J. A. Ramos de Campos, AIDO (Spain); J. Gamo, Fábrica Nacional de Moneda y Timbre (Spain) and Univ. of Alcalá (Spain); C. Soriano, AIDO (Spain); P. Varela, Fábrica Nacional de Moneda y Timbre (Spain); E. Pérez, AIDO (Spain)
- 7131 1U **Laser prototype system for creating high density patterns on PCB** [7131-56]
R. Barbuscha, M. Tański, M. Kocik, The Szwedowski Institute of Fluid-Flow Machinery (Poland); J. Mizeraczyk, The Szwedowski Institute of Fluid-Flow Machinery (Poland) and Gdynia Maritime Univ. (Poland); G. Kozioł, J. Borecki, Tele & Radio Research Institute (Poland)
- 7131 1V **System for laser micromachining of thin metal foils** [7131-58]
R. Barbuscha, M. Kocik, J. Mizeraczyk, The Szwedowski Institute of Fluid-Flow Machinery (Poland)
- 7131 1W **Laser-induced nanopatterning, ablation, and plasma spectroscopy in the near-field of an optical fiber tip** [7131-37]
J. Heitz, Institute of Applied Physics (Austria) and Johannes Kepler Univ. Linz (Austria); S. Yakunin, Institute of Applied Physics (Austria); T. Stehrer, Institute of Applied Physics (Austria) and Johannes Kepler Univ. Linz (Austria); G. Wysocki, Princeton Univ. (United States); D. Bäuerle, Institute of Applied Physics (Austria)

NOVEL MACROPROCESSING AND APPROACHES

- 7131 1X **Processing with kW fibre lasers: advantages and limits (Invited Paper)** [7131-39]
A. Kratky, D. Schuöcker, G. Liedl, Vienna Univ. of Technology (Austria)
- 7131 1Y **Laser-based hybrid technique for civil engineering (Invited Paper)** [7131-43]
S. Muto, K. Tei, Tokai Univ. (Japan) and Institute for Applied Optics (Japan); S. Yamaguchi, K. Nanri, Tokai Univ. (Japan); T. Fujioka, Tokai Univ. (Japan) and Institute for Applied Optics (Japan)
- 7131 1Z **Experimental search of similarity criteria for the high-quality cutting of mild steel** [7131-96]
A. M. Orishich, A. G. Malikov, V. B. Shulyatyev, Khristianovich Institute of Theoretical and Applied Mechanics (Russian Federation)
- 7131 20 **Modeling of phase transformations and internal stresses in laser powder deposition** [7131-98]
A. Crespo, A. Deus, R. Vilar, Instituto Superior Técnico, Univ. Técnica de Lisboa (Portugal)

- 7131 21 **Wear resistant Al-Si/TiC coatings prepared by high-power laser cladding** [7131-101]
A. Ramasamy, A. Almeida, R. Vilar, Instituto Superior Técnico, Univ. Técnica de Lisboa (Portugal)
- 7131 22 **Fibre laser metal deposition with wire: parameters study and temperature monitoring system** [7131-75]
A. Medrano, J. Folkes, J. Segal, I. Pashby, The Univ. of Nottingham (United Kingdom)
- 7131 23 **Manufacture of metal foam layers by laser metal deposition** [7131-57]
B. Carcel, AIDO (Spain); A. C. Carcel, Univ. Politécnica de Valencia (Spain); I. Perez, E. Fernandez, A. Barreda, J. Sampedro, J. A. Ramos, AIDO (Spain)
- 7131 24 **Analysis of residual stress and corrosion resistance of laser shock-processed 6012 and 6082 aluminium alloys** [7131-36]
U. Trdan, J. Grum, Univ. of Ljubljana (Slovenia); J. A. Porro, J. L. Ocaña, Univ. Politécnica de Madrid (Spain)
- 7131 25 **Investigation of the efficiency process during CO₂ laser welding of low-alloyed steels** [7131-40]
P. Petrov, Institute of Electronics (Bulgaria); T. Apostolova, Institute of Nuclear Research and Nuclear Energy (Bulgaria)
- 7131 26 **Microscopic modeling of short pulse laser melting of materials** [7131-34]
T. Apostolova, Institute of Nuclear Research and Nuclear Energy (Bulgaria); P. Petrov, Institute of Electronics (Bulgaria)
- 7131 27 **Laser cleaning of calcareous stones: influence of laser irradiation in colour changes of different layers** [7131-102]
S. S. Amaral, Univ. de Lisboa (Portugal) and Câmara Municipal de Lisboa (Portugal); M. Pires, Instituto Nacional de Engenharia, Tecnologia e Inovação (Portugal); M. D. Carvalho, F. M. Costa, Univ. de Lisboa (Portugal)
- 7131 28 **Laser beam welding aerospace aluminum using fiber lasers** [7131-06]
M. S. F. Lima, R. Riva, Instituto de Estudos Avançados (Brazil); A. C. de Oliveira, Instituto Tecnológico de Aeronáutica (Brazil); G. R. Siqueira, Empresa Brasileira de Aeronáutica SA (Brazil)
- 7131 29 **Removal of graffiti paintings from the Mansion de Mattis site in Corato (Bari), Italy: Laser deveiling or complete cleaning?** [7131-72]
G. Daurelio, S. E. Andriani, A. Albanese, I. M. Catalano, Univ. degli Studi di Bari (Italy); G. Teseo, Soprintendenza per i Beni Artistici Architettonici Ambientali e Storici della Puglia (Italy); D. Marano, Univ. degli Studi di Bari (Italy)
- 7131 2B **Thermal treatment effects on laser surface remelting duplex stainless steel** [7131-67]
A. M. do Nascimento, M. C. F. Ierardi, M. Aparecida Pinto, Univ. Estadual de Campinas (Brazil); S. S. M. Tavares, Univ. Federal Fluminense (Brazil)

PROPAGATION, SPACE, AND SENSING

- 7131 2C **Propagation of high-power partially coherent laser beams in a turbulent atmosphere: modeling and experiments (Invited Paper)** [7131-11]
V. Banakh, Institute of Atmospheric Optics (Russian Federation)
- 7131 2D **Diode laser interrogated single-mode fiber optics with a hetero-core structure for a wearable glove sensing application** [7131-69]
M. Nishiyama, H. Sasaki, Y. Kubota, K. Watanabe, Soka Univ. (Japan)
- 7131 2E **Visualization of velocity fields in the atmosphere based on scattered radiation** [7131-12]
V. Banakh, A. Falits, Institute of Atmospheric Optics (Russian Federation)
- 7131 2F **Application of particle image velocimetry technique for study of reacting jet flows** [7131-93]
S. V. Alekseenko, V. M. Dulin, Y. S. Kozorezov, Institute of Thermophysics (Russian Federation); D. M. Markovich, Institute of Thermophysics (Russian Federation) and Novosibirsk State Univ. (Russian Federation); S. I. Shtork, Institute of Thermophysics (Russian Federation)
- 7131 2G **Propagation of the shock wave generated in the stepped structure model by a two-dimensional beam focusing of a CO₂ pulsed laser** [7131-38]
S. Udagawa, Tokyo Metropolitan College of Industrial Technology (Japan); K. Maeno, S. Nakajima, Y. Yamamoto, Chiba Univ. (Japan)
- 7131 2H **Absorption of a chain HF/DF-laser radiation by atmospheric impurities** [7131-32]
M. A. Azarov, B. S. Alexandrov, A. P. Burtsev, V. A. Drozdov, V. V. Sudarikov, G. A. Troshchenko, Russian Scientific Ctr. (Russian Federation)
- 7131 2I **New algorithm for generating a very long rectangular turbulent phase screen** [7131-28]
H.-L. Wu, H.-X. Yan, S.-S. Li, Institute of Mechanics (China); X.-Y. Li, Institute of Optics and Electronics (China)
- 7131 2J **Experimental and theoretical investigation of forest fire detection by a portable eye-safe lidar operating at 1540 nm** [7131-24]
A. Lavrov, A. B. Utkin, INOV—Inesc Inovação (Portugal); R. Vilar, Instituto Superior Técnico, Univ. Técnica de Lisboa (Portugal)
- 7131 2K **Automatic recognition of smoke-plume signatures in lidar signal** [7131-25]
A. B. Utkin, A. Lavrov, INOV—Inesc Inovação (Portugal); R. Vilar, Instituto Superior Técnico, Univ. Técnica de Lisboa (Portugal)

ADDITIONAL PAPER

- 7131 2L **A new measurement of the singlet delta pooling rate** [7131-68]
W. E. McDermott, Univ. of Denver (United States); K. Hobbs, T. Henshaw, Directed Energy Solutions (United States)

Author Index

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Introduction

The papers included in this volume represent part of the contributions to the XVII International Symposium on Gas Flow, Chemical Lasers, and High-Power Lasers (GCL-HPL 2008) held in Lisboa, Portugal.

For over 30 years, GCL-HPL has provided an excellent opportunity for researchers in gas, chemical, and high-power lasers, along with the end-users of these lasers to exchange ideas, review the state-of-the-art, and foresee emerging trends within the field. Its scope is broad, including fundamental research, laser development, systems engineering, and gas, chemical, and high-power laser applications in a wide range of fields.

Following the tradition of precedent editions, the main purpose of this symposium was to bring together scientists and engineers from all over the world to create an event where members of the laser community could meet to discuss the latest achievements and to initiate new contacts and collaborations. The GCL-HPL 2008 symposium received 174 participants from 23 countries.

Finally, on behalf of the organizing committee, we would like to thank all authors and reviewers for their contributions to these proceedings.

Rui Vilar
Olinda Conde
GCL-HPL 2008 Symposium Chairs