Front Matter: Volume 7142
## Contents

| ix | Conference Committees |
| xi | Sponsors and Supporters |
| xiii | Introduction |

### SESSION 1 PLENARY PAPERS

<table>
<thead>
<tr>
<th>7142 02</th>
<th>Gas in scattering media absorption spectroscopy - GASMAS [7142-52]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S. Svanberg, Lund Univ. (Sweden)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S. B. Gurevich, A.F. Ioffe Physical-Technical Institute (Russian Federation)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7142 04</th>
<th>The concept of a unified modeling of optical radiation propagation in complex turbid media [7142-57]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>I. Meglinski, Cranfield Univ. (United Kingdom); M. Kirillin, Univ. of Oulu (Finland); V. L. Kuzmin, St. Petersburg Institute of Commerce and Economics (Russian Federation)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7142 05</th>
<th>Characterizing semiconductor materials with terahertz radiation pulses [7142-59]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A. Krotkus, R. Adamavičius, V. Pačebutės, Semiconductor Physics Institute (Lithuania)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7142 06</th>
<th>Low-frequency excitation of double quantum dots [7142-56]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>V. Kashcheyevs, Univ. of Latvia (Latvia)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7142 07</th>
<th>Laser structuring of conducting films on transparent substrates for electronics devices [7142-13]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>G. Račiukaitis, Institute of Physics (Lithuania)</td>
</tr>
</tbody>
</table>

### SESSION 2 INORGANIC OPTICAL MATERIALS

<table>
<thead>
<tr>
<th>7142 08</th>
<th>Visible light emission and control by infrared-responsive materials [7142-10]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M. Saito, Y. Takahashi, K. Matsuda, Ryukoku Univ. (Japan); M. Yamazaki, N. Sawanobori, Sumita Optical Glass, Inc. (Japan)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7142 09</th>
<th>Alkali-ion irradiated alpha-quartz: low-temperature cathodoluminescence after chemical epitaxy [7142-02]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>K. P. Lieb, S. Gąsiorek, Univ. Göttingen (Germany); J. Keinonen, Univ. Göttingen (Germany) and Univ. of Helsinki (Finland); P. K. Sahoo, Univ. Göttingen (Germany) T. Sajavaara, Univ. of Helsinki (Finland)</td>
</tr>
</tbody>
</table>
Nanostructure of glasses: experimental evidence [7142-35]
L. V. Maksimov, A. V. Anan'ev, Research and Technological Institute of Optical Materials Science (Russian Federation); V. N. Bogdanov, St. Petersburg State Univ. (Russian Federation); A. A. Lipovskii, St. Petersburg State Polytechnical Univ. (Russian Federation); D. K. Tagantsev, Research and Technological Institute of Optical Materials Science (Russian Federation); O. V. Yanush, St. Petersburg State Technological Univ. of Plant Polymers (Russian Federation)

Vibrational and structural properties of unmodified and radiation-modified chalcogenide glasses for advanced optical applications [7142-42]
T. Kavetskyy, Scientific Research Co. Carat (Ukraine), Drohobych Ivan Franko State Pedagogical Univ. (Ukraine), and Jan Dlugosz Univ. (Poland); O. Shpotyuk, Scientific Research Co. Carat (Ukraine) and Jan Dlugosz Univ. (Poland); V. Balitska, Scientific Research Co. Carat (Ukraine); G. Dovbeshko, I. Blonskyy, Institute of Physics (Ukraine); I. Kaban, W. Hoyer, Chemnitz Univ. of Technology (Germany); M. Iovu, A. Andriesh, Ctr. of Optoelectronics (Moldova)

Study of optical material anisotropy using scanning millimeter wave beam [7142-41]
A. Laurinavicius, Semiconductor Physics Institute (Lithuania); V. Derkach, Usikov Institute of Radiophysics and Electronics of NAS of Ukraine (Ukraine); T. Anbinderis, Elmika Ltd. (Lithuania)

Second harmonic generation in selenium-metal structures [7142-29]
I. Mihailova, V. Gerbreders, Daugavpils Univ. (Latvia); E. Sledevskis, Daugavpils Univ. (Latvia) and Univ. of Latvia (Latvia); V. Kolbjonoks, E. Tamanis, Daugavpils Univ. (Latvia)

Optical properties of hydrogen-containing MgO crystal [7142-36]
V. Skvortsova, N. Mironova-Ulmane, L. Trinkler, L. Grigorjeva, Univ. of Latvia (Latvia)

Second harmonic generation in selenium thin films [7142-26]
E. Sledevskis, Daugavpils Univ. (Latvia) and Univ. of Latvia (Latvia); Vj. Gerbreders, V. Kolbjonoks, J. Teteris, Daugavpils Univ. (Latvia); A. Gulbis, Riga Technical Univ. (Latvia)

SESSION 3 PHOTOVOLTAICS, THIN FILMS, AND SPECTROSCOPY

High repetition rate optical parametric oscillator based on a periodically poled lithium niobate crystal pumped by nanosecond Q-switched Nd:YVO₄ laser [7142-34]
L. Petravičiūtė, O. Balachninaitė, V. Sirutkaitis, Vilnius Univ. (Lithuania)

Noise characteristics and reliability of high power white light emitting diodes based on nitrides [7142-54]
J. Matukas, V. Palenskis, J. Vyšniauskas, B. Šaulys, S. Pralgauskaitė, A. Pincevičius, Vilnius Univ. (Lithuania)

Fiber-optic biosensor based on self-mixing interferometry [7142-09]
M. Määttälä, J. Lauri, M. Kinnunen, Univ. of Oulu (Finland); J. Hast, VTT Technical Research Ctr. of Finland (Finland); R. Myllylä, Univ. of Oulu (Finland)

Deconvolution of the mercury 253.7 nm spectral line shape for the use in absorption spectroscopy [7142-24]
N. Zorina, G. Revalde, Univ. of Latvia (Latvia); R. Disch, Sieck Maihak GmBh (Germany)
SESSION 4  OPTICAL SEMICONDUCTOR MATERIALS

7142 0K TiO2-PHT interface influence to charge carrier photo generation and recombination [7142-33]
G. Sliaužys, G. Juška, K. Genevičius, Vilnius Univ. (Lithuania); J. H. Smátt, M. Lindén, R. Österbacka, Åbo Akademi Univ. (Finland)

7142 0L Mid-infrared photoluminescence of PbSe film structures up to room temperature [7142-06]
Z. Dashevsky, V. Kasiyan, G. Radovsky, E. Shufer, M. Auslender, Ben-Gurion Univ. (Israel)

7142 0M Formation of SiC-like layers on Si surface in contact with C6H5CH3 solution by UV laser irradiation [7142-22]
M. Yusupov, L. Fedorenko, O. Lytvyn, V. Yukhimchuk, V. Lashkaryov Institute of Semiconductor Physics (Ukraine)

7142 0N GaAs/AlGaAs heterojunction as a fast detector of infrared laser pulses [7142-46]
S. Ašmontas, J. Gradauskas, V. Kazlauskaitė, A. Sužiedėlis, E. Širmulis, M. Vingelis, Semiconductor Physics Institute (Lithuania)

7142 0O Evaluation of deep trap compensation ratio and recombination parameters by transient grating techniques [7142-31]
A. Kadys, K. Jarašiūnas, Vilnius Univ. (Lithuania); Ph. Delaye, Lab. Charles Fabry de l’Institut d’Optique, CNRS, Univ. Paris-Sud (France); D. Verstraeten, Univ. de Liège (Belgium)

7142 0P Formation of deep acceptor centers in AlGaN alloys [7142-58]
L. Dimitrocenko, J. Grubes, P. Kulis, G. Marcins, B. Polyakov, A. Sarakovskis, M. Springis, I. Tale, Univ. of Latvia (Latvia)

7142 0Q A method for deposition of tungsten trioxide (WO3) [7142-47]
J. Martinez-Juárez, CIDS-ICUAP (Mexico); J. Díaz-Reyes, CIBA-IPN (Mexico)

7142 0R Lattice vibrations study of InxGa1-xAsySb1-y quaternary alloys with low (In, As) content highly doped by tellurium grown by LPE [7142-48]
J. Díaz-Reyes, CIBA-IPN (Mexico); E. López-Cruz, Instituto de Fisica Luis Rivera Terrazas (Mexico); J. G. Mendoza-Alvarez, CIBA-IPN (Mexico)

7142 0S Manifestation of structural features in Raman spectra of LiNbO3 single crystals [7142-53]
P. Chufyrev, N. Sidorov, M. Palatnikov, Kola Science Ctr. RAS (Russian Federation); K. Bormanis, Univ. of Latvia (Latvia)

7142 0T Quantum chemistry studies of the O K-edge x-ray absorption in WO3 and AWO3 [7142-12]
D. Bocharov, A. Kuzmin, J. Purans, Y. Zhukovskii, Univ. of Latvia (Latvia)

7142 0U Optical gain dynamics in InGaN/InGaN quantum wells [7142-55]
M. Karaliūnas, E. Kuokštis, K. Kazlauskas, S. Juršėnas, Vilnius Univ. (Lithuania); V. Hoffman, A. Knauer, Ferdinand-Braun-Institut für Höchstfrequenztechnik (Germany)
SESSION 5 ORGANIC OPTICAL MATERIALS

7142 0V Preparation and properties of hybrid bilayer structures based on organic Alq3, ferromagnetic La2/3Sr1/3MnO3 and Fe3O4 [7142-40]
B. Vengalis, K. Šliužienė, I. Ė erniukė, R. Butkutė, V. Lisauskas, A. Maneikis, Semiconductor Physics Institute (Lithuania)

7142 0W The effects of external applied voltage on the nonlinear optical properties of a dye-doped nematic liquid crystal by using a single beam [7142-39]
M. H. Majles Ara, R. Bahramian, M. Abolhasani, Tarbiat Modares Univ. (Iran)

SESSION 6 HOLOGRAPHY MATERIALS AND OPTICAL RECORDING

7142 0X The problems of holographic information recording and storage: modern state [7142-19]
B. S. Gurevich, Scientific Instruments Co. (Russian Federation); S. B. Gurevich, A.F. Ioffe Physical-Technical Institute (Russian Federation); A. Peckus, Institute of Physics (Lithuania)

7142 0Y Some features of information theory application to holographic systems [7142-18]
B. S. Gurevich, Scientific Instruments Co. (Russian Federation); S. B. Gurevich, A.F. Ioffe Physical-Technical Institute (Russian Federation); K. M. Jumaliev, Institute of Physics (Kyrgyzstan)

7142 0Z Effects of light polarization and crystal orientation on the holographic recording efficiency in doped LiNbO3 crystals [7142-04]
A. Ozols, Riga Technical Univ. (Latvia); M. Reinfelde, Univ. of Latvia (Latvia)

7142 10 Self-organizing laser induced Au nanocrystall formation in conditions of surface plasmon resonance [7142-21]
L. Fedorenko, B. Snopok, M. Yusupov, Yu. Burlachenko, V. Lashkaryov Institute of Semiconductor Physics (Ukraine)

7142 11 Investigation of As2S3-Al films for dot-matrix holographic recording [7142-20]
A. Bulanovs, V. Gerbreders, E. Sledevskis, V. Pashkevich, Daugavpils Univ. (Latvia); J. Teteris, Univ. of Latvia (Latvia)

7142 12 Holographic recording in polymer composites of organic photochromes and chalcogenides [7142-23]
A. Gerbreders, Univ. of Latvia (Latvia) and Daugavpils Univ. (Latvia); J. Teteris, Univ. of Latvia (Latvia); V. Kolobjonoks, Daugavpils Univ. (Latvia)

SESSION 7 BIO-OPTICS AND OPTICAL SENSING

7142 13 Pulsed photoacoustic measurements of suspensions: in case study of mitochondrial NADH and its phantom [7142-11]
Z. Zhao, Univ. of Oulu (Finland); J. Hast, VTT Technical Research Ctr. of Finland (Finland); R. Myllylä, Univ. of Oulu (Finland); M. Käänsäkoski, VTT Technical Research Ctr. of Finland (Finland)
Micro-Raman scattering and infrared spectra of hemoglobin [7142-38]
M. Polakovs, N. Mironova-Ulmane, Univ. of Latvia (Latvia); N. Kurjane, E. Reinholds, P. Stradins
Clinical Univ. Hospital (Latvia); M. Grube, Univ. of Latvia (Latvia)

Rough surfaces profile studies using acousto-optic tunable filter [7142-17]
B. S. Gurevich, S. V. Andreyev, Scientific Instruments Co. (Russian Federation);
V. V. Shapovalov, I. A. Kolesov, Biotechnical Systems Research Institute (Russian Federation);
A. V. Belyaev, Institute for Analytical Instrumentation (Russian Federation)

The perception of isoluminant coloured stimuli of amblyopic eye and defocused eye [7142-37]
G. Krumina, M. Ozolinsh, G. Ikaunieks, Univ. of Latvia (Latvia)

Eye movements during silent and oral reading with stabilized versus free head movement
and different eye-trackers [7142-15]
R. Paeglis, I. Jokste, K. Bagucka, I. Lacis, Univ. of Latvia (Latvia)

The energetical threshold of optical information detection due to thermal noise [7142-05]
A. Ozols, J. Porins, G. Ivanovs, Riga Technical Univ. (Latvia)

Latvian and Russian textbooks: eye movements in reading text formatted in two columns
[7142-16]
R. Paeglis, I. Gorshanova, K. Bagucka, I. Lacis, Univ. of Latvia (Latvia)

Factors affecting intraocular light scattering from different color straylight sources [7142-30]
G. Ikaunieks, M. Ozolinsh, Univ. of Latvia (Latvia)

Electronic eye occluder with time-counting and reflection control [7142-45]
V. Karitans, M. Ozolinsh, G. Kuprisha, Univ. of Latvia (Latvia)

Photoinduced AsSeS thin film phase plates as adaptive optics mirrors for eye aberration
correction [7142-43]
S. Fomins, M. Reinfelde, Univ. of Latvia (Latvia); A. Larichev, N. Iroshnikov, Moscow State
Univ. (Russian Federation); A. Gerbreders, M. Ozolinsh, Univ. of Latvia (Latvia)

Author Index
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Introduction

All papers included in this volume are collected from the Sixth International Conference on Advanced Optical Materials and Devices (AOMD-6) held 24–27 August 2008 in Riga, Latvia. Series of the AOMD conferences, the major optics and photonics event in the Baltic countries, started in Riga in August 1996. Since then the AOMD-brand has gained high reputation among optics and photonics professionals not only in the Baltics, but also in Scandinavia, Western Europe, North America, and other parts of the globe.

The AOMD-6 program comprised traditional topics like new inorganic and organic optical materials, materials for applications in holography and optical recording, semiconductor emitters/photodetectors, optical thin films, coatings and photovoltaics, as well as bio-optical technologies and optical sensors. Ten invited plenary lectures on the hottest topics have been presented, along with 36 regular oral reports and 45 poster reports. Scientists from 16 countries have contributed to this conference.

The AOMD-6 full papers published here will be useful for researchers, educators and engineers, as well as for students interested in recent developments of optical materials, photonic devices and their applications in industry and medicine.

On behalf of the organizing committees, I cordially thank all authors and reviewers for their contributions to this book.

Janis Spigulis
AOMD-6 Conference Chair