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High Power Lasers and Applications
Andrey Ionin, Cochair, P.N. Lebedev Physical Institute (Russian Federation)
Alan Hill, Cochair, Plasmatronics, Inc. (United States)
Dieter Schüöcker, Cochair, Upper Austrian Laser Center (Austria)
Friedrich Bachman, Rofin-Sinar Laser GmbH (Germany)
Vladimir Golubev, Institute on Laser and Information Technologies (Russian Federation)
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Salman Rozenwaks, Ben-Gurion University of the Negev (Israel)
Victor Tarasenko, Institute of High Current Electronics (Russian Federation)
Marsel Zagidulin, P.N. Lebedev Physical Institute (Russian Federation)

Symposium on Extreme Light Technologies
Nikolay Narozhny, Cochair, Moscow Engineering Physics Institute (Russian Federation)
Christoph Keitel, Cochair, Max-Planck-Institut für Kernphysik (Germany)
Sergey Bulanov, Advanced Photon Research Center (Japan)
Vladimir Tikhonchuk, Université Bordeaux 1 (France)
Pierre Agostini, The Ohio State University (United States)
Misha Ivanov, Imperial College (United Kingdom)
Symposium on 25 Years of Chirped Pulse Amplification

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Introduction
Conference on Laser-Assisted Micro- and Nanotechnologies

This portion of the LAT 2010 conference proceedings presents selected papers which cover various topics of fundamentals and applications of laser-materials interaction: laser assisted synthesis of micro- and nanoparticles; high precision surface modification, structuring, shaping and roughness control; laser thin film deposition and processing; surface micro- and nanostructuring; laser stimulated surface thermo- and photochemical phenomena; modification of bulk transparent materials; treatment of materials with ultrashort laser pulses; in-situ laser processing diagnostics and control; mechanisms of laser ablation and pulsed laser deposition; mechanisms and applications of near-field optics.

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