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3rd EPS-QEOD EUROPHOTON CONFERENCE
Solid-State and Fiber Coherent Light Sources

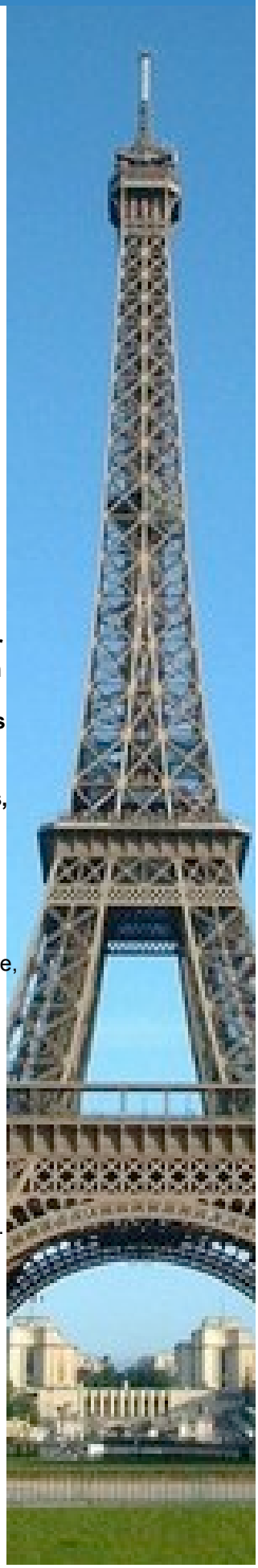
31th August - 5th September 2008 - Paris - France

Submission Deadline : April 7th 2008

Summer School
Frontiers of Solid-State Light Sources

Special Symposium
Extreme Light Sources in Measurements and Sensing

Sponsored by: European Physical Society - Quantum Electronics and Optics Division, Institut d'Optique Graduate School, Ecole Nationale Supérieure de Chimie de Paris, Région Ile de France



This unique conference features the latest breakthroughs in the field of solid-state, laser and fiber light sources. Venue is the "Ecole Nationale Supérieure de Chimie de Paris", in the very center of Paris, within the Quartier Latin. World-reknown researchers present the latest developments in the scientific community combined with educational sessions at the student and postdoctoral level, industrial minisymposium and table-top exhibit. The special symposium on "Extreme Light Sources in Measurements and Sensing" explores extremes in optics and laser sources in the light of new applications in physics, metrology, high precision spectroscopy, and optical communications.

Meeting Topics

Solid-State Lasers

Novel laser material concepts. Growth, characterisation, and spectroscopic investigations of solid-state laser materials. Rare-earth-ion and transition-metal-ion lasers. Upconversion, tunable, and ultrafast solid-state lasers. Second and higher harmonic generation and optical parametric conversion of solid-state lasers. Modelling of solid-state lasers and resonators. Demonstration of novel pump sources and resonator geometries. Thermal and thermo-optical effects in solid-state lasers. High-power, diode-pumped, and ultrastable systems. Non-linear materials. Non-linear optical sources. Metrological applications. Optically-pumped semiconductor lasers.

Fiber and Waveguide Devices

Novel fiber and waveguide concepts. Fiber materials, fabrication, and characterisation. CW and pulsed Fiber lasers. Bragg-grating fiber lasers. Amplification in doped fibers. Waveguide fabrication and characterisation. Waveguide lasers and amplifiers. Rare-earth doped amplifiers. Raman amplifiers. High-power fiber and waveguide lasers. Power-scaling concepts for fiber and waveguide lasers. Ultrafast fiber and waveguide sources. Photonic crystal and fiber light sources. Waveguided broadband and super-continuum light sources. Non-linear materials. Non-linear optical sources. Microcavity lasers.

We look forward to seeing you at Europhoton 2008 !!

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