

2010 | OSA Optics & Photonics Congress

CALL for PAPERS

ADVANCED PHOTONICS: OSA OPTICS & PHOTONICS CONGRESS

Access Networks and In-house
Communications (ANIC)

Bragg Gratings, Photosensitivity
and Poling in Glass Waveguides
(BGPP)

Nonlinear Photonics (NP)

Optical Sensors (Sensors)

Signal Processing in Photonic
Communications (SPPCom)

COLLOCATED WITH THE RENEWABLE ENERGY
OPTICS & PHOTONICS CONGRESS

June 21-24, 2010

Karlsruhe-Messe und Kongress
(Conference Center)
KARLSRUHE, GERMANY

SUBMISSION DEADLINE:
JANUARY 20, 2010

12:00 PM NOON EST (17.00 GMT)
Extended through February 9, 2010,
12:00 p.m. noon EST (17.00 GMT)

www.osa.org/congresses

OSA®

BRAGG GRATINGS, PHOTOSENSITIVITY AND POLING IN GLASS WAVEGUIDES (BGPP)

June 21-24 | 2010

The Bragg Gratings, Photosensitivity and Poling (BGPP) Topical Meeting gives you the opportunity to discover the impact on telecommunications and sensing, and witness first-hand the latest advances and breakthroughs in the field of fiber gratings. BGPP continues to be a popular meeting for covering the state-of-the-art advances in fiber gratings in a relaxed and non-pressured atmosphere. The program is tailored for informal exchanges, forming new partnerships and reconnecting with colleagues. Attendees come from around the world to participate in this exchange of knowledge.

PAPER TOPICS

- Fundamentals of Photosensitivity and Poling
- Applications of Gratings and Poled Glass
- Grating Properties and Fabrication Techniques

INVITED SPEAKERS (As of November 2009)

Symposium on Ultrafast Laser Photosensitivity, Machining and Bragg Grating Fabrication in Dielectrics

Single Process Femtosecond Microfabrication of Key Components for Integrated Optics, **Ian Bennion**, Aston Univ., UK

Femtosecond Laser Induced Bragg Gratings in Silica and Exotic Optical Fibers Applications, **Dan Grobncic**, Communications Res. Ctr., Canada

Burst Femtosecond Laser Writing of Spectrally Controlled Bragg Grating Waveguides, **Peter Herman**, Univ. of Toronto, Canada

Avant-garde Femtosecond Laser Writing, **Peter Kazansky**, Univ. of Southampton, UK

Femtosecond Laser Written Bragg Gratings, **Graham Marshall**, Macquarie Univ., Australia

Femtosecond Laser Micromachining in Transparent Materials, **Eric Mazur**, Harvard Univ., USA

Intense Field Science in Dielectrics, **David Rayner**, Natl. Res. Council, Canada

Femtosecond Laser Induced Bragg Gratings—Status and Prospects, **Andreas Tünnermann**, Fraunhofer Inst., Germany

Role of the Optical Filamentation Process in the Writing of FBG with Femtosecond Pulses, **Réal Vallée**, Univ. Laval, Canada

Fundamentals of Photosensitivity and Poling

Fabrication and Applications of Volume Bragg Gratings, **Leonid Glebov**, Univ. Central Florida, USA (Joint Invited Speaker)

Relaxation Processes of fs Light Excited Electrons in Silica: Relations between Plasma and Solid, **Stephane Guizard**, CEA/DSM/DRECAM, Ecole Polytechnique, France

Review of photosensitivity in Chalcogenides (from CW to fs Lasers), **Kathleen Richardson**, Clemson Univ., USA

Grating Properties and Fabrication Techniques

New Developments in Tilted Bragg Gratings for Biochemical and Structural Sensing, **Jacques Albert**, Carleton Univ., Canada

New Manufacturing of Ultra-Long FBG's (> 10 m) whilst Maintaining High Performance Characteristics, **Stefan Eckman**, Proximion Fiber Systems AB, Sweden

Fab Fabrication and Applications of Volume Bragg Gratings, **Leonid Glebov**, Univ. Central Florida, USA (Joint Invited Speaker)

Applications of Gratings and Poled Glass

Progress in Photosensitive Polymer Optical Fibres and Gratings, **Gang-Ding Peng**, Univ. of New South Wales, Australia

Microwave Photonics Applications of Fiber Bragg Gratings, **Jianping Yao**, Univ. of Ottawa, Canada

Please check the website for updates as speaker names will continue to be added as they are confirmed.

GENERAL CHAIRS

Ben Eggleton, Univ. of Sydney, Australia

Morten Ibsen, Univ. of Southampton, UK

PROGRAM CHAIRS

Stephen Mihailov, Communications Res. Ctr., Canada

Paul Westbrook, OFS Laboratories, USA

VISIT WWW.OSA.ORG/BGPP FOR MORE INFORMATION AND TO SUBMIT YOUR PAPER.

2010 | OSA Optics & Photonics Congress

ATTEND THE ADVANCED PHOTONICS CONGRESS IN KARLSRUHE, GERMANY, JUNE 21–24, 2010

- Collocated with the **Renewable Energy** OSA Optics & Photonics Congress
- Joint sessions
- Poster sessions
- Joint plenary sessions
- **Celebrating 50 Years of the Laser Special Plenary:**
Featuring Keynote Speaker, Theodor W. Hänsch, Max Planck Inst. for Quantum Optics, Germany, 2005 Nobel Prize Laureate
- Networking, information sharing and discussion

The Advanced Photonics: OSA Optics & Photonics Congress is collocated with the Renewable Energy: OSA Optics & Photonics Congress. Combined the congress features 7 meetings with a broad range of topics including:

- FTTx architectures
- Grating Properties
- Nonlinear Effects in Fibers
- Slow and Fast Light in Sensors
- Solid-State Lighting Systems

Registered attendees of any of the featured meetings will enjoy more opportunities for cross-networking and information sharing. One registration fee will allow access to any session held at both the Advanced Photonics and Renewable Energy congresses.

JOIN OSA TODAY!

By signing up to become an official OSA member, among many other valuable benefits, you'll be able to register for OSA's Fall Congress at the member discount price – that's a \$160 difference! To become an OSA member, visit www.osa.org/membership.

OSA FOUNDATION STUDENT TRAVEL GRANTS

The OSA Foundation is pleased to offer travel grants of up to \$1,000 USD to students from developing countries who are attending Advanced Photonics 2010.

Please visit www.osa.org/aboutosa/grants/foundationgrant/ to find out more information about how to apply for a grant. All applications for Advanced Photonics must be received by April 15, 2010.