TŘEŠŤ (CZECH REPUBLIC)

Located in the middle of the Czech Highlands Region, Třešť is a picturesque city surrounded by hills covered with mixed forests and romantic-looking rocks, and broad valleys with lakes and crystal clear streams. The whole region is interwoven with hiking trails. In close neighborhood lies Telč, a town founded in the 13th century, whose historic center is a UNESCO World Cultural Heritage site. The course venue is Castle Hotel Třešť (www.castle-trest.com), located in beautiful surroundings in the middle of a forest park and within easy walking distance from the city center.

REASONS FOR ATTENDING

ASCOS has become a leading international course for training on optical chemical sensors and biosensors.

ASCOS is more than a conference meeting. It brings together young scientists and renowned tutors in a relaxed atmosphere that favors learning and creativity.

Many ASCOS contacts last beyond the course, forming a European “optical sensor network”.

REGISTRATION

ASCOS 2017 aims at providing an education and networking platform to young scientists (Post-Docs, PhD students, and outstanding MSc students). To ensure high standards, the number of participants is limited and the minimum education requirement is an MSc degree (or similar) in a field related to optical and/or chemical sensors.

Registration fee is 690€.

Registration fee includes admission to the course and all social events, ASCOS 2017 course materials, accommodation (seven nights), full board and coffee breaks.

Students may apply for a grant in the form of 25% discount on the registration fee. A small number of grants will be provided to selected applicants.

Further details can be found at **www.ascos.org**.

CONTACT DETAILS

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Institute of Photonics and Electronics
The Czech Academy of Sciences
Chaberska 57
182 51 Prague 8
Czech Republic

10th Advanced Study Course on Optical Chemical Sensors

ASCOS 2017: Biochemical sensors in medicine

July 20 – 27, 2017

Castle Hotel Třešť
Czech Republic

ÚFE Institute of Photonics and Electronics
The Czech Academy of Sciences

GENERAL INFORMATION

ASCOS (Advanced Study Course on Optical Chemical Sensors) is a European initiative to establish an education, discussion and contact platform for young researchers working in the rapidly growing field of optical chemical sensors, besides the traditional conferences. ASCOS is being held as a biennial event, each time in a different European country. To guarantee the most efficient study, ASCOS combines tutorial lectures, covering the basics of optical chemical sensors and important related fields, and group work projects, in which mixed groups of ASCOS students will be assigned a (bio)analytical problem related to optical sensors.

TUTORS AND LECTURES

Francesco Baldini (CNR-IFAC, Florence, Italy)
Optical sensors for medical diagnostics

Loic Blum (C. Bernard Lyon 1 Univ. France)
Bio- and chemiluminescence based sensors

Jiří Homola (ÚFE, Prague, Czech Republic)
Plasmonic affinity biosensors

Pedro Jorge (INESC TEC, Porto, Portugal)
Optical waveguides for sensing

Marta Kalousová (Charles University, Prague, Czech Rep.)
Molecular biomarkers in medical diagnosis

Martin Kraft (CTR, Villach, Austria)
Sensors based on Raman spectroscopy

Laura M. Lechuga (ICN2, Barcelona, Spain)
Photonic lab-on-a-chip sensor technologies

Frances Ligler (NCSU and UNC-Chapel Hill, NC, USA)
System integration–towards portable optical biosensors

Aleksandra Lobnik (Univ. Maribor, Slovenia)
Absorbance-based optical sensors and nano materials

Boris Mizaikoff (Univ. Ulm, Germany)
Infrared optical sensors for medical applications

Gerhard Mohr (Joanneum Research, Weiz, Austria)
Fluorescent molecular probes and nanoparticles

Maria C. Moreno-Bondi (Complutense Univ. Madrid, Spain)
Molecular recognition in optical sensors

Guillermo Orellana (Complutense Univ. Madrid, Spain)
Luminescence-based sensors

Dmitri Papkovsky (Univ. College Cork, Ireland)
Intracellular chemical sensing

Claudia Preininger (AIT, Tulln, Austria)
Nucleic acid and protein chips

Sabeth Verpoorte (Univ. Groningen, The Netherlands)
Microfluidic devices for optical chemical sensing and biosensing

Otto Wolfbeis (Univ. Regensburg, Germany)
Optical chemical sensors and biosensors: historical perspectives

Pavel Zemánek (ISI CAS, Brno, Czech Republic)
Optical manipulation in the service of micro-biology

IMPORTANT DEADLINES

Application Deadline: January 15, 2017

Notification of Acceptance and Grant Award: January 31, 2017

Registration Deadline: March 3, 2017

Payment Due Date: June 16, 2017

Registration details at
www.ascos.org and
www.facebook.com/ascos2017

ASCOS Executive Committee

Francesco Baldini (CNR-IFAC, Florence, Italy)
Jiří Homola (ÚFE, Prague, Czech Republic)
Martin Kraft (CTR, Villach, Austria)
Otto Wolfbeis (Univ. Regensburg, Germany)

ASCOS Advisory Board

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Loic Blum (C. Bernard Lyon 1 Univ. France)
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