2nd ANNOUNCEMENT
with Call for Papers

HAKONE XV
BRNO, CZECH REPUBLIC
September 11-16, 2016

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Matti Laan
Chobei Yamabe

Web: hakone.physics.muni.cz
E-mail: hakone@physics.muni.cz
Invitation

Dear colleagues,

With great pleasure we announce that the 15th International Symposium on High Pressure Low Temperature Plasma Chemistry (HAKONE XV) will be held in Brno, Czech Republic September 11th to 16th 2016. This year HAKONE XV will host a one-day workshop Non-Equilibrium Plasmas with Liquids for Water and Surface Treatment, which is supported by the COST action.

We are looking forward to welcoming you in Brno in September 2016.

Mirko Černák and Tomáš Hoder
(Chairpersons of HAKONE XV)

The HAKONE Symposium, Scope and Format

HAKONE is a biennial international symposium, which brings together scientists and engineers from both of academic and industrial sphere working on subjects in the basic research and plasma processing of high pressure and low temperature plasma chemistry. The symposium provides for participants the opportunity to present the progress in their work and to discuss related problems of current interest in theory, experiment and applications in various areas.

The scope of the conference is devoted to theoretical mechanisms of dielectric barrier and corona discharges for ozone synthesis, basic oxidants generation and applications in water treatment and environment protection. Every next HAKONE the area of interest has being extended to new emergent and innovative fields of research and development, like biomedical plasma application, surface modification, micro-plasmas, alternative materials, fuels and other interdisciplinary plasma topics.

Topics

1. Fundamental problems of high pressure discharges
2. Modelling and diagnostics
3. Molecular synthesis and decomposition
4. Ozone generation and applications
5. Generation of radiation in high pressure discharges
6. Depollution and environmental applications
7. Surface processing and technology (cleaning, coating, etching and modification, equipment)
8. Biological applications
9. Miscellaneous

Invited Lectures

Anнемie Bogaerts (Belgium)
Plasma-based CO₂ conversion: A combined modelling and experimental study

Yi-Kang Pu (China)
Optical diagnostics for nanosecond high pressure discharges (preliminary)

Bratislav Obradovic (Serbia)
Measurement of electric field in atmospheric pressure discharges using Stark polarization spectroscopy

Akira Mizuno (Japan)
Non-thermal plasma combined with catalysts for environmental technology

Mark Kushner (USA)
Plasma-chemistry in bio-medical applications: modelling of plasma-liquid-tissue interaction (preliminary)

Antoine Rousseau (France)
Plasmas interacting with liquids: Energy transfer and chemistry (preliminary, COST action speaker)

Lars Stollenwerk (Germany)
Lateral patterns in glow-like barrier discharges
Registration

Registration is considered after payment. Please use the online registration form at hakone.physics.muni.cz. Please note, that the number of participants as well as single rooms are limited, so please register early.

Conference fee

The conference fee is all inclusive. It covers registration, accommodation (incl. access to the wellness area), welcome reception, excursion, gala dinner, coffee breaks and all lunches and dinners.

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Call for Papers

As a rule, all participants are expected to present a contribution about their most recent scientific work as an oral or poster presentation. Therefore, we ask you to submit a proceeding paper (2 – 4 pages) to the LOC via the HAKONE e-mail (hakone@physics.muni.cz). Papers must be written in English. Please follow the formatting given in the paper template, which you can download from the HAKONE website. The LOC together with the Reading committee will survey the submitted papers and will select speakers for 20 minutes talks and poster contributions.

Please note, that to simplify the submission process the one-page abstract and five-page conference paper were merged in proceeding paper. The ISC will select a limited number of proceeding papers, which can be after extending to full paper submitted to The European Physical Journal Applied Physics.

Important dates

March 31, 2016: Proceeding Paper Submission
May 2016: Paper Notification
June 10, 2016: Early Registration Deadline

Venue

HAKONE XV will take place in the hotel Santon in Brno, situated on the beautiful shore of Brno dam (www.resortsanton.cz/en).

Travel

There are two international airports close to Brno - Wien and Prague. The airports can be reached within 2,5h by train, bus or car. A detailed timetable for the train and bus connections can be obtained from www.cd.cz/en or www.studentagency.eu. From London, Munich or Eindhoven you can take a flight directly to Brno (www.brno-airport.cz/en).