

1st Bulletin

POETIC 8

(8th International Conference on Physics Opportunities at an Electron-Ion-Collider)

March 19-22, 2018

Regensburg University
Regensburg, GERMANY

We are pleased to announce that POETIC 8, the Eighth International Conference on the 'Physics Opportunities at an Electron-Ion Collider', will take place at Regensburg University, Germany from Monday, March 19th to Thursday, March 22nd 2018. While EIC physics is the main topic of POETIC the focus is on e+p and e+A collisions in general, including lower (e.g. CEBAF@12GeV) and higher energies (e.g. LHeC, VHEeP), concentrating rather on physics than technology.

Broadening the understanding for modern e+p and e+A physics in the hadron and heavy ion communities is one of the primary aims of the meeting. Special introductory lectures are planned, therefore, for the morning of Monday 19th, i.e. before the start of the workshop, targeting non-experts who are considering getting involved in EIC physics or similar initiatives. In the core program preference will be given to somewhat longer and comprehensive talks. Specialized contributions will be presented in a parallel session. Participants are invited to submit an abstract if they wish to contribute to the discussion.

Small scale satellite workshops can be organized for the afternoon of Thursday 22nd and throughout Friday 23rd if requested. Anyone planning such a workshop or group meeting should contact the organizers of POETIC 8 as soon as possible.

Postdocs and students are especially encouraged to attend the conference.

Conference Topics:

- Structure of hadrons: (nuclear) parton distribution functions (PDFs and nPDFs), transverse momentum dependent (TMDs and GTMDs) and generalized parton distributions (GPDs), Distribution Amplitudes (DAs), Double Distributions (DDs).
- QCD at high parton densities and small-x: saturation, evolution, Color Glass Condensate
- Fragmentation functions and Jet properties
- Complementarity and connections of EIC physics with p+p, p+A and A+A collisions: high-pt processes, diffraction, multi-parton interactions, quark-gluon plasma and colored probes in hot nuclear matter.
- Physics beyond the Standard Model and connections to other areas in physics.
- Future DIS facilities: accelerator and detector developments.

WWW page:

All relevant information for the meeting will be posted on the conference home page:

<https://indico.cern.ch/event/663878/>

Please check it now and then.

Important Dates:

Deadline for abstract submission: Friday 23rd February 2018.

Deadline for registration: Friday 23rd February 2018.

Registration and conference fee:

See

<https://indico.cern.ch/event/663878/>

Abstract submission:

See

<https://indico.cern.ch/event/663878/>

Venue:

The meeting will take place in lecture halls H37 and H38, close to the faculty of physics of Regensburg University. Additional, smaller, seminar rooms will be made available if necessary.

Maps can be found here:

<http://www.uni-regensburg.de/contact/maps/>

Public transportation in Regensburg is well developed and a bus ticket for the duration of the workshop will be provided to all participants.

If you wish to become an expert on Regensburg public transport you can download all information from

<http://www.rvv.de/rvv-timetable-book,-valid-from-december-11,-2016>

Accommodation:

Regensburg is a UNESCO World Heritage Site and is one of the main tourist attractions in Germany.

<https://en.wikipedia.org/wiki/Regensburg>

There exist a large variety of hotels that can be booked via any standard booking service, with prices starting below 50 Euro per night. All hotels are within easy reach of the university via public transport. Many of our regular guests prefer to pay a bit more and stay in the old town center. We strongly encourage participants to find what fits them best. However, as fall-back option we have reserved 40 rooms in a hotel just next to the university, called the **Apollo**, see

<https://www.hotelapollo.de/>

The reference is "POETIC 8".

The prices are:

single room 70 Euro,

double room single occupancy 75 Euro, double occupancy 92 Euro

double room "Superior" single occupancy 80 Euro, double occupancy 102 Euro

per night, including breakfast.

This offer expires January 31rd 2018. Participants should contact the Apollo directly if they wish to take up this offer.

We are looking forward to welcoming you in Regensburg.

The Local Organizing Committee:

Gunnar Bali

Vladimir Braun

Sara Collins

Falk Bruckmann

Andreas Schäfer (chair)

Stefan Solbrig

The International Advisory Committee:

Nestor Armesto (Universidade de Santiago de Compostela, Spain)

Elke Aschenauer (BNL, USA)

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