



ZAKOPANE CONFERENCE 2018 ON NUCLEAR PHYSICS

“Extremes of the Nuclear Landscape”

August 26 – September 2, 2018, Zakopane, Poland

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Announcement and Call for Abstracts

We are pleased to announce that the forthcoming Zakopane Conference on Nuclear Physics entitled “*Extremes of the Nuclear Landscape*”, 53rd in the series of Zakopane Schools of Physics, will be held in Zakopane, Poland, from August 26th till September 2nd, 2018. The conference is organized by the Henryk Niewodniczański Institute of Nuclear Physics of the Polish Academy of Sciences (IFJ PAN), Kraków.

Detailed and updated information can be found on the conference web site at:

<http://zakopane2018.ifj.edu.pl>

Scientific program:

Invited lectures, selected seminar contributions and posters will cover new developments in the study of nuclear phenomena: from low lying shell model states to collective excitations at extreme spins and temperatures, from light to superheavy nuclei, from exotic proton drip-line nuclei to very neutron rich nuclear systems. Latest ideas and advances in nuclear theory will be the topic of a comprehensive session. New experimental methods and apparatus developed and used at stable and radioactive ion beam facilities will be presented. We will discuss the impact of the nuclear structure research on interdisciplinary studies and applications. The scientific program of the Conference will be composed of topical sessions led by conveners. Additional time will be given for reports about latest achievements in the broad field of the nuclear research. Contributions for seminars and posters will be chosen among submitted abstracts by a selection panel composed of the conveners.

During the Conference we propose an extensive program of social events, that will let the participants to discover the beauty of the surrounding region and the local culture, meanwhile giving time for informal discussions and for leisure.

Topical Sessions and Conveners:

Interdisciplinary Applications on Nuclear Physics, Nicolas Alamanos (CEA, Saclay)

Collective Modes in Nuclei, Adam Maj (IFJ PAN, Kraków)

Forefront Topics in Nuclear Theory, Witold Nazarewicz (MSU, East Lansing)

New Instrumentation and Techniques in Nuclear Spectroscopy, Johan Nyberg (Univ. Uppsala)

Nuclear Rotation and High Spins, John Sharpey-Schafer, (UWC, Cape Town)

New Facilities for Nuclear Physics Research, Sydney Gales (IPNO, Orsay)

Heavy nuclei – production mechanism and properties, Krystyna Siwek-Wilczyńska (Univ. Warsaw)

Nuclear Isomerism, Phil Walker (Univ. Surrey)

Call for abstracts:

Participants willing to present a seminar or a poster are kindly asked to submit a short abstract, not later than **May 18th, 2018**. We particularly encourage authors of contributions related to the subjects of the topical sessions. Received abstracts will be reviewed by the session conveners and recommended for a seminar or a poster presentation.

Abstracts of all the contributed papers, including invited lectures, seminars and posters will be published in a Book of Abstracts.

Conference proceedings:

Invited talks, contributed seminars and selected posters will be a subject of a referee review and will be published as regular papers in the March 2019 issue of Acta Physica Polonica B journal.

Accommodation and fees:

The conference will take place in the "[Hotel Belvedere](#)"**** conference centre situated at the edge of the Tatra National Park, near the centre of Zakopane, ul. Droga do Białego.

The full cost of participation (if paid before **July 15th, 2018**):

Participant (double room accommodation) – **2950 PLN**

Participant (single room accommodation) – **3500 PLN**

These amounts include a 550 PLN conference fee.

Accompanying person - 2400 PLN

The number of single rooms available is limited. Rooms will be allocated on the first-come-first-served basis. After **July 15th, 2018**, a late payment fee of **500 PLN** will apply.

The participation fee covers: accommodation in the „Hotel Belvedere” conference centre, full board, bus transfer from Krakow to Zakopane and back on the first and the last days of the conference and all the social events.

Registration and payment:

The registration for the Conference will be open from **March the 12th until July 20th, 2018** and should be done through the online registration system available through the conference webpage. Since the limited number of single rooms is available at the hotel, we encourage you to register early.

Payments should be made by a bank transfer or a credit card (for details see the webpage), not later than **July 15th, 2018**. After this date the late fee will apply.

Important deadlines:

Abstract submission: **May 18th, 2018**

Speakers notified: **June 16th, 2018**

Registration closing: **July 20th, 2018**

Early payment: **July 15th, 2018**

Please visit regularly the conference webpage for news.

We are looking forward to seeing you in Zakopane,

The Organizers