

December 13, 2018

Second Circular

The TAN 19 is the sixth in the series of international conferences dedicated to recent achievements and developments in experiments and theory of the chemistry and physics of transactinide elements. TAN 19 will open with a Special Symposium on occasion of the “International Year of the Periodic Table” as proclaimed by the United Nations.

The TAN 19 is organized by

- GSI Helmholtzzentrum für Schwerionenforschung Darmstadt, Germany
- Helmholtz Institute Mainz (HIM), Germany
- Johannes Gutenberg University Mainz, Germany

The first TAN conference took place in 1999 in Seeheim near Darmstadt, Germany. Since then, the meetings of this series have been organized every 4 years, in Napa, USA (2003), in Davos, Switzerland (2007), [Sochi](#), Russia (2011), and [Urabandai](#), Japan (2015).

Scope

The scientific program will cover all experimental and theoretical aspects of the superheavy elements, including their synthesis, nuclear reactions, nuclear structure, chemistry, atomic properties, and related topics. The program will consist of invited talks, oral presentations selected on the basis of submitted abstracts, and poster contributions.

All topics in the scope of this conference shall be discussed and we ask for submission of contributions. Especially welcome are contributions on the following topics on heaviest elements from both experimental and theoretical side:

- Synthesis
- Nuclear reaction studies
- Nuclear structure and spectroscopy
- Atomic physics studies
- Chemical properties
- Technical developments
- Large-scale facilities

All oral presentations will be plenary, there will be no parallel sessions.

Venue

The conference takes place in [Wilhelmshaven](#), a coastal town located at the North Sea in the state of Lower Saxony, Germany. It is situated on the western side of the Jade Bight, a bay of the North Sea, at the [UNESCO World Heritage site of the Wadden Sea](#).

Our conference venue is the "[Hotel Atlantic](#)" in Wilhelmshaven, only a 10-minute-walk away from the main train station and a few steps from the sea.

Important Dates

- 2nd Circular: December 2018
- Registration opens: February 01, 2019
- Abstract submission opens: February 01, 2019
- Deadline for abstract submission: February 28, 2019
- Author notification: April 2019
- Deadline for early bird registration: May 15, 2019
- Deadline for standard registration: June 15, 2019
- 3rd Circular/Final program: June/July 2019
- Conference: August 25-30, 2019

Organization/Contact

The organization of the conference will be carried out via email communication. All pertinent information will be made available on the website. This includes circulars, registration, submission of contributions and the conference program.

Conference Website

For all information including latest updates please visit our website at win.gsi.de/tan19.

General Inquiries

e-mail: tan19@gsi.de

Administrative Secretary

TAN 19
Ms Miriam Jäger
Helmholtz-Institut Mainz
Staudingerweg 18
55128 Mainz
Germany

Registration

Conference participants and accompanying person are requested to register via the website by June 15, 2019. A discounted conference fee is available for students upon request. We also offer a reduced early bird registration fee. The detailed conditions are listed below.

Registration Types	Early registration Feb. 01 – April 30, 2019	Standard registration May 01 – June 15, 2019
General Participant	€ 540	€ 590
Student Participant	€ 330	€ 380
Accompanying Person	€ 390	€ 440
IUPAC member	10% off	10 % off

On-site registration is not possible.

Registration benefits for general and student participants include

- Participation in the welcome reception on Sunday
- Access to the full scientific program including IYPT symposium and conference
- Access to the poster area
- Lunch / Coffee breaks / Dinner
- Excursions on Tuesday and Thursday, including the Conference Dinner
- Conference Kit

Registration benefits for accompanying persons include

- Participation in the welcome reception on Sunday
- Access to the IYPT symposium
- Lunch / Coffee breaks / Dinner
- Excursions on Tuesday and Thursday including the Conference Dinner

Payment Details

Payment is only possible via bank transfer.

Please provide the following information when making your bank transfer:

- **Account holder:** Landeshochschulkasse Mainz
- **Bank:** Deutsche Bundesbank, Filiale Mainz
- **IBAN:** DE25 5500 0000 0055 0015 11
- **SWIFT/BIC:** MARKDEF1550
- **Reason for Payment:** 6101 28286 9614048 TAN19 + Participant´s Name

Please note:

- Your registration is only valid after the payment has been received
- The payment must be received not later than the following dates:
 - Early bird registration: April 30, 2019
 - Standard registration: June 15, 2019
- Students applying for student support are asked to postpone the payment until they have been informed about the decision on student support
- All payment must be in Euros
- Conference and your name should be clearly mentioned in the form of the bank transfer
- Payments with missing information may not be considered
- The total amount of the fee should be credited to the conference organizer in one payment
- The sender must pay any additional bank transfer charges in addition to the registration fee
- Cash payment during the conference is not possible

Invitation Letters

On request, official invitation letters will be issued to assist visa application. Please mark the corresponding box during the online registration process.

IUPAC endorsement implies that entry visas will be granted to all bona fide chemists provided application is made not less than six months in advance. If a visa is not granted two months before the meeting, the IUPAC Secretariat should be notified without delay by the applicant.

Accommodation

We advise you to book your accommodation directly with the [Atlantic hotel](#) after completing the registration process. A special, significantly reduced accommodation rate is secured for participants of the TAN conference for the time of August 25 – 30. The special rate is available until June 15, 2019 and is as follows:

Double room, single occupancy:	130 Euros per night
Double room, double occupancy:	165 Euros per night
Add-on children's bed (0 to 6 years free of charge):	15 Euros per night

All rooms are equipped with one bed of dimension 160 cm x 210 cm.

Breakfast is included.

When you book your room, send an email to the hotel at reservierung.ahw@atlantic-hotels.de and mention the code "TAN 19" to profit from the reduced rate.

Abstract submission

Abstracts are directly entered into the TAN19 website. Abstract submission is open from February 01, to February 28, 2019.

Invited Speakers

- Anatoli Afanasjev (Mississippi State Univ., USA)
- Anastasia Borschevsky (Univ. Groningen, Netherlands)
- Stephan Fritzsche (Univ. Jena, HI Jena & GSI Darmstadt, Germany)
- Jacklyn Gates (LBNL Berkeley, USA)
- Kouichi Hagino (Tohoku Univ., Japan)
- David Hinde (ANU Canberra, Australia)
- Miroslav Iliaš (Matej Bel Univ., Slovakia)
- Jadambaa Khuyagbaatar (HIM Mainz, GSI Darmstadt, Germany)
- Witold Nazarewicz (FRIB, Michigan State Univ., USA)
- Katsuhisa Nishio (JAEA Tokai, Japan)
- Sebastian Raeder (GSI Darmstadt, Germany)
- Dirk Rudolph (Lund Univ., Sweden)
- Krzysztof Rykaczewski (ORNL, USA)
- Peter Schwerdtfeger (Massey Univ., New Zealand)
- Patrick Steinegger (FLNR Dubna, Russia)
- Vladimir Utyonkov (FLNR Dubna, Russia)
- Michiharu Wada (KEK, Japan)
- Michal Warda (UMCS Lublin, Poland)
- Alexander Yakushev (GSI Darmstadt, Germany)



Special Symposium on the “International Year of the Periodic Table”

The United Nations General Assembly and UNESCO have proclaimed 2019 as the International Year of the Periodic Table of Chemical Elements on the occasion of its 150th anniversary. The extension of the Periodic Table by new chemical elements is at the heart of the TAN conference. Accordingly, the conference will open with a special symposium honoring the International Year of the Periodic Table.

The symposium program will include presentations by discoverers of elements 107 to 118 and by directors of the laboratories at which these elements were discovered. Further presentations will look back in time and illustrate the spreading of the concept of the periodic table, discuss the transformation of the concept of chemical elements, or address questions associated with the placing of new elements in the periodic table in historical times. The symposium is completed by welcome addresses of the presidents of national and international chemical and physics organizations IUPAC, IUPAP, GDCh, and DPG.

Symposium Speakers

- Gisela Boeck (Univ. of Rostock, Germany)
- Sergey Dmitriev (JINR, Russia)
- Hideto En'yo (RIKEN, Japan)
- Paolo Giubellino (GSI/FAIR, Germany)
- Sigurd Hofmann (GSI, Germany)
- Dieter Meschede (DPG President, Germany)
- Kouji Morimoto (RIKEN, Japan)
- Yuri Oganessian (JINR, Russia)
- Klaus Ruthenberg (Coburg Univ., Germany)
- Michel Spiro (IUPAP President Designate, France)
- Pieter Thyssen (KU Leuven, Belgium)
- Qi-Feng Zhou (IUPAC President, PR China)

Social Program

We offer two excursions for the conference participants and accompanying persons to facilitate interaction among the conference participants.

On Tuesday, we will have a short boat tour in the Jade Bight starting from Wilhelmshaven and passing the scenic [lighthouse of Arngast](#). On Thursday afternoon, the main excursion will take us to the city of Bremen, a member of the Hanseatic league. Following a city tour around the historic market square, town hall and the Roland, [UNESCO World Heritage Site](#), we will enjoy an organ concert in the [Bremen Cathedral](#). The day will end with the conference dinner in “[Bremer Ratskeller](#)”, in the basement of the town hall.

The TAN 19 is organized by



HELMHOLTZ
Helmholtz Institute Mainz



JOHANNES GUTENBERG
UNIVERSITÄT MAINZ

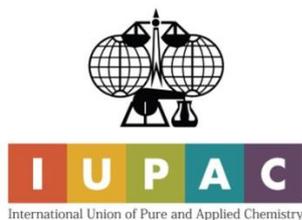
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Special Note

It is the policy of the International Union of Pure and Applied Physics (IUPAP) that all participants in Union activities will enjoy an environment which encourages the free expression and exchange of scientific ideas, and is free from all forms of discrimination, harassment, and retaliation. The conference organisers will name an advisor who will consult with those who have suffered from harassment and who will suggest ways of redressing their problems, and an advisor who will counsel those accused of harassment. The conference organisers may, after due consideration, take such action they deem appropriate, including warning or expulsion from the conference without refund.