



December 14, 2017

First Circular

The TAN 19 is the sixth in the series of international conferences dedicated to recent achievements and developments in experiment and theory on the chemistry and physics of transactinide elements.

The TAN 19 is organized by

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

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 experimental and theoretical aspects of synthesis of the superheavy elements, 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 theory side:

- Theories and experiments of Heaviest-element synthesis
- Nuclear reaction studies
- Nuclear structure and spectroscopy
- Atomic physics studies
- Chemical properties of transactinide elements
- Technical developments
- Large-scale facilities in the field of superheavy element research

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.

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

Important Dates (preliminary)

- 2nd Circular: September 2018
- Registration: January 2019
- Deadline for abstract submission: January 31, 2019
- Author notification: March/April 2019
- 3rd Circular/Final program: May 2019
- Deadline for early bird registration: April 30, 2019
- Deadline for registration: June 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 (see below). This includes circulars, registration, submission of contributions and the conference program.

Local Organizing Committee:

Michael Block (GSI, Univ. Mainz, HIM)
Fatma Cal (HIM)
Luise Dörsching-Steitz (GSI)
Christoph E. Düllmann (Univ. Mainz, GSI, HIM)
Miriam Jäger (HIM)
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TAN 19
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Conference Website

For all important and current information and the latest updates please visit our website www.gsi.de/TAN19.