

# THERMAM 2018

7<sup>th</sup> Rostocker International Conference:  
“Thermophysical Properties for  
Technical Thermodynamics”

26 - 27 July 2018

University of Rostock,  
Institute of Technical Thermodynamics,  
Albert-Einstein-Str .2, Rostock, Germany

Organized by:



University of Rostock,  
Institute of Technical Thermodynamics,  
Rostock, Germany



Azerbaijan Technical University,  
Department of Heat Energy,  
Baku, Azerbaijan



Dokuz Eylul University,  
Department of Mechanical Engineering,  
Izmir, Turkey

## OBJECTIVE AND SCOPE

Thermophysical properties of substances in gas, liquid, solid phases play an important role in many technical and industrial processes. The basis of nearly all technical processes are the mass, energy, momentum, entropy, and exergy balances and the thermophysical properties of substances. Thermophysical properties are experimentally measured and equations of state are derived from these results. Today it is more and more possible to calculate thermophysical properties using molecular theory. Mechanical and rheological properties are also of primordial importance in characterization of materials. These properties determine the possible use of materials. The conference objective is to report on current research development in this active area and serve as a forum for discussions and collaborations.

## CONFERENCE MAIN TOPICS

- ✓ *Alternative and Renewable Energy*
- ✓ *Alternative Solvents*
- ✓ *Aqueous electrolyte solutions*
- ✓ *Chemical Thermodynamics*
- ✓ *Data Correlation*
- ✓ *Equations of state*
- ✓ *Fuels and bio-fuels*
- ✓ *Inverse Problems, Modelling*
- ✓ *Interfacial Properties*
- ✓ *Ionic Liquids*
- ✓ *Measurement Techniques*
- ✓ *Molecular and Statistical Thermodynamics*
- ✓ *Molecular Simulation and Modelling*
- ✓ *Nanofluids, Nanocomposites*
- ✓ *New Materials and Materials Design*
- ✓ *Phase Equilibria*
- ✓ *Physical Chemistry*
- ✓ *Rheological properties*
- ✓ *Seawater*
- ✓ *Standard Data and Materials*
- ✓ *Thermodynamic Properties*
- ✓ *Thermoacoustic Properties*
- ✓ *Thermophysical Properties*
- ✓ *Transport Properties*

## ORGANIZING COMMITTEE

### Chair:

Prof. Dr.-Ing. h.c. Egon HASSEL – Head of Institute: Technical Thermodynamics, University of Rostock, GERMANY

### Co-Chairs:

Dr. Javid SAFAROV – Institute of Technical Thermodynamics, University of Rostock, GERMANY

Prof. Astan SHAHVERDIYEV – Head of Department: Heat Energy, Azerbaijan Technical University, Baku, AZERBAIJAN

Prof. Ismail TAVMAN – Department of Mechanical Engineering, Dokuz Eylul University, Izmir, TURKEY

## CONFERENCE LOCAL COMMITTEE

Dr. Jürgen NOCKE, University of Rostock, GERMANY

Dr. Javid SAFAROV, University of Rostock, GERMANY

Dr. Misirkhan TALIBOV, Azerbaijan Technical University, AZERBAIJAN

Dr. Alpaslan TURGUT, Dokuz Eylul University, TURKEY

## CONFERENCE LOCATION

The conference will take place at the Conference Halls of Mechanical Engineering Faculty, Albert-Einstein-Str. 2, 18059, University of Rostock, Germany, located at the south side of Rostock, 10 walking minutes from the main train station.

## KEY DATES

Pre-registration:	Open	Early registration:	15 <sup>st</sup> May 2018
One page abstract:	Open	Final program:	15 <sup>st</sup> July 2018

## CONFERENCE FEE

Conference fee is 200 Euro (includes electronic book of abstracts as PDF file and coffee breaks). Meals and hotel costs are not included.

## REGISTRATION

Please proceed to registration using the web site of conference <http://www.ltt.uni-rostock.de/thermam-2018> and send the registration form via e-mail [javid.safarov@uni-rostock.de](mailto:javid.safarov@uni-rostock.de) to the conference secretariat.

## CONFERENCE SECRETARIAT

Dr. Javid SAFAROV, University of Rostock, Institute of Technical Thermodynamics, Albert-Einstein-Str. 2, 18059 Rostock, Germany, Tel: + 49 381 498 9415, Fax: + 49 381 498 9402; e-mail: [javid.safarov@uni-rostock.de](mailto:javid.safarov@uni-rostock.de)



## ARRIVING

The airport Rostock-Laage is served with several direct flights from several German and some European cities. We recommend also near Hamburg or Berlin international airports. From Berlin and Hamburg one can travel to Rostock by train, that takes about 2-3 hours (German Rail – Deutsche Bahn).

Airport Rostock-Laage - <http://www.rostock-airport.de>  
Hamburg Airport - <https://www.hamburg-airport.de>  
Berlin Airports - <http://www.berlin-airport.de>

## HOTELS

<http://www.hotel.de/de/rostock/hotels-40563>

## VISA INFORMATION

Foreign nationals of EU and various countries can enter to Germany visa-free. The other nationals must be applying for Schengen-Visa. We kindly ask you to inform us early enough about a necessary invitation letter.

## ROSTOCK AND ROSTOCK UNIVERSITY

The city of Rostock is located at the estuary of the Warnow river, with the city-center being positioned about 12 kilometres south to the coast of the Baltic Sea. Rostock was founded in the 11<sup>th</sup> century, but the rise of the city got started with its membership of the Hanseatic League, beginning in 1251. In the 14<sup>th</sup> century Rostock was a significant seaport and market place. After the reformation and the thirty-years-war, ending in 1648, the importance of the city stalled, but Rostock re-emerged in the 19<sup>th</sup> century with the industrialization of Germany. Today, with about 200000 citizens, Rostock is the largest city in the north German state Mecklenburg-Vorpommern.

The University of Rostock is the third oldest university in Germany in continuous operation, and was founded in 1419 by confirmation of Pope Martin V. At the end of the 19<sup>th</sup> century the university was transformed into a university following the Humboldtian model based on liberal ideas pertaining to the importance of freedom, seminars, and laboratories in universities. Today, university is currently home to about 13500 students, it employs about 3000 people, with about 300 professors, representing eight faculties.

## PREVIOUS THERMAM CONFERENCES

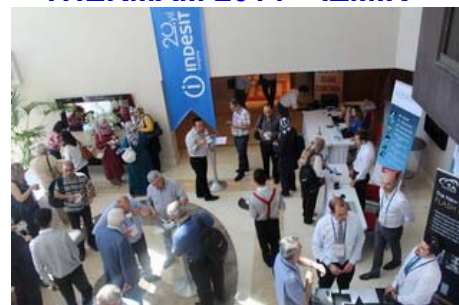
### THERMAM 2012 – ROSTOCK



### THERMAM 2013 – ROSTOCK



### THERMAM 2014 – IZMIR



### THERMAM 2015 – BAKU



### THERMAM 2016 – IZMIR



### THERMAM 2017 – ROSTOCK

