

THERMAM 2015



INTERNATIONAL CONFERENCE:
**“THERMOPHYSICAL AND MECHANICAL
PROPERTIES OF ADVANCED MATERIALS”**
and

4th ROSTOCKER INTERNATIONAL SYMPOSIUM:
**“THERMOPHYSICAL PROPERTIES FOR
TECHNICAL THERMODYNAMICS”**

17 - 18 September 2015

**Azerbaijan Technical University
Huseyn Javid Avn.25**

Baku, Azerbaijan



Co-organized by

Azerbaijan Technical University
Department of Heat and Refrigeration Techniques
Baku, **Azerbaijan**

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

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

OBJECTIVE AND SCOPE

Thermophysical and mechanical 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 constructed from these results. Today it is possible to calculate thermophysical properties using molecular theory for simple substances. Mechanical and rheological properties are also of primordial importance in characterization of materials. Their knowledge is important in determining the end use of materials. This 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*
- ✓ *Biological and Food Materials*
- ✓ *Ceramics, Composites*
- ✓ *Data Correlation*
- ✓ *Equations of state*
- ✓ *Fuels and bio-fuels*
- ✓ *Granular and Porous Materials*
- ✓ *Inverse Problems, Modelling*
- ✓ *Interfacial Properties*
- ✓ *Ionic Liquids*
- ✓ *Mechanical Properties*
- ✓ *Metals and Alloys*
- ✓ *Measurement Techniques*
- ✓ *Molecular and Statistical Thermodynamics*
- ✓ *Molecular Simulation and Modelling*
- ✓ *Nanofluids, Nanocomposites*
- ✓ *New Materials and Materials Design*
- ✓ *Optical and Thermal Radiative Properties*
- ✓ *Phase Equilibria*
- ✓ *Properties of aqueous electrolyte solutions and sea water*
- ✓ *Rheological properties*
- ✓ *Standard Data and Materials*
- ✓ *Theory and Modelling of Material Properties*
- ✓ *Thermodynamic Properties*
- ✓ *Thermoacoustic Properties*
- ✓ *Thermoelectric Properties*
- ✓ *Thermophysical Properties*
- ✓ *Transport Properties*
- ✓ *Other proposals on measurement techniques and materials are welcome.*

ORGANIZING COMMITTEE

Chair:

Prof. Havar MAMMADOV – Rector of Azerbaijan Technical University, Azerbaijan

Co-Chairs:

Prof. Egon HASSEL – Dean of Mechanical Engineering and Marine Technology Faculty, University of Rostock, Germany

Prof. Astan SHAHVERDIYEV – Head of Department: Heat and Refrigeration Techniques, Azerbaijan Technical University

Prof. Ismail TAVMAN – Head of Department: Mechanical Engineering, Dokuz Eylul University, Izmir, Turkey

SCIENTIFIC COMMITTEE

coming soon

CONFERENCE LOCATION

The conference will take place at the Conference Halls of Azerbaijan Technical University, located at the west side of Baku, near the Metro station “Elmler Akademiyasi” (Academy of Sciences).

KEY DATES

Pre-Registration: Open
1 or 2 page Abstract: 1st April 2015
Notification of Abstract admission: 1st May 2015

Early Registration: 1st June 2015
Full Text Submission: 1st July 2015
Final Program: 1st August 2015

REGISTRATION

Please proceed to registration using the external attached file and send it via e-mail to the one of conference secretariat.

CONFERENCE SECRETARIAT

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CONFERENCE FEE

Conference fee is 150 Euro (include Abstract book, Coffee Breaks, Conference Banquet on 17 September). Meals and Hotel are not included.

ARRIVING

Heydar Aliyev International Airport, Baku – located 20 km northeast from Baku city center. It is served by major airlines including Austrian Airlines, Azerbaijan Airlines, Aeroflot, British Airways, Lufthansa, Turkish Airlines etc. <http://www.airport.az>; <http://www.azal.az>. There are various bus and taxi service to travel from airport to city. Depending of the traffic, the travel can be 30 - 40 min.

HOTELS

Most brand name Hotels are located in Baku: <http://www.baku-hotels.net>

Kempinski Hotel Badamdard; Fairmont Baku Hotel; Hilton; Excelsior Hotel Baku; Four Seasons Baku; Happy Inn; Sheraton Baku Airport Hotel; Marriott Absheron Hotel; Hyatt Regency Baku; Metropol Hotel; Park Hyatt Baku; Park Inn; Radisson Blu Plaza Hotel Baku; Ramada; Jumeirah Bilgah Beach Hotel. Beside these – there are many 5, 4, 3 etc. star hotels, motels, hostels, which can easily booking via internet. Most hotels have airport transfer.

VISA INFORMATION

Foreign nationals of the following countries can enter Azerbaijan visa-free: Belarus, China, Georgia, Iran, Kazakhstan, Kyrgyzstan, Moldova, Mongolia, Russia, Tajikistan, Turkey, Ukraine and Uzbekistan.

The other nationals must be applying for visa to the Azerbaijan embassies in the foreign countries:
http://mfa.gov.az/files/file/Dip.missions_of_The_Republic_of_Azerbaijan_02.09.2014.pdf

ADDITIONAL INFORMATION

Azerbaijan is the largest and richest country in the Caucasus region. It is located at the crossroads of Western Asia and Eastern Europe. Its capital awash in oil wealth and international business, wonderful old palaces of the Shirvan Shahs in Baku, landscapes-oil, and world-class hikes in the lush heavily forested, mountainous north and south.
<http://www.azerbaijan.com>; <http://www.azerbaijan.travel>; <http://en.wikipedia.org/wiki/Azerbaijan>

Baku is the capital and largest city of Azerbaijan, as well as the largest city on the Caspian Sea and the Caucasus region. It is located on the southern shore of the Absheron Peninsula, which projects into the Caspian Sea.
<http://en.wikipedia.org/wiki/Baku>



Azerbaijan Technical University is a public and central technical university, specialized in engineering, located in Baku, Azerbaijan. The University has 9 faculties and 54 departments, 884 university members and approximately 6500 students: <http://aztu.edu.az/azp>