

Time and Venue of the 14th NCTAM

The congress will be held in hotel Hilton, Sofia, Bulgaria, 2-4 September, 2024.

<https://www.hilton.com/en/hotels/sofhihi-hilton-sofia/>

FEES

	EARLY	Regular	On-place
Participants	450 EUR	500 EUR	550 EUR
Young Scientists (PhD students)*	300 EUR	380 EUR	380 EUR
Accompanying persons**	200 EUR	250 EUR	250 EUR

The congress fee includes conference materials, get together party (September, 2nd), the congress banquet, coffee breaks and lunches during the congress. Other important details will be given on the congress website.

* The congress banquet is not included.

** It includes get together party (September, 2nd), the congress banquet, and an excursion with lunch.

ACCOMMODATION

A wide range of hotels nearby the congress venue are available and suggestions will be provided later on the congress website.

IMPORTANT DATES

Abstract Submissions	1 March 2024
Acceptance Notifications	31 March 2024
Early registration	30 May 2024
Registration	15 July 2024
Congress start	2 September 2024
Journal Paper Submission	30 September 2024

BANK ACCOUNTS:

In EURO: IBAN: BG82CEC8979014H9590900 ; BIC: CECBBGSF

IN BGN: BG41CECB979010H9590901; BIC: CECBBGSF



First Announcement

14th National Congress on Theoretical and Applied Mechanics

2-4 September, 2024

Sofia, BULGARIA

ORGANIZERS:

National Committee of Theoretical and Applied Mechanics

–Institute of Mechanics, Bulgarian Academy of Sciences



CONGRESS TOPICS

General Mechanics -- Analytical mechanics; Stability analysis and control theory; Dynamical systems; Thermodynamics and statistical mechanics; Theory of mechanisms and machines; Mechatronics; Computational mechanics; History of mechanics, Experimental Mechanics, High Performance Computing in Mechanics, etc.

Solid Mechanics -- Elasticity; Plasticity; Damage and fracture; Composite materials; Smart materials; Beams, plates and shells; Dynamics of structures; Nonlinear dynamics; Noise and vibrations; Contact problems; Impact and wave propagation; Seismic mechanics; Geomechanics; Multi-physics and Multiscale Modelling; Mechanics of Advanced Materials and Structures, Nanomechanics and Nanostructured Materials, Computational Solid and Structural Mechanics, etc.

Fluid Mechanics -- Viscous fluids; Conducting and magnetic fluids; Compressible and rarefied gases; Boundary layers; Bubbles and drops; Thin films and jets; Multiphase flows; Flow in porous solids; Waves; Turbulence; Heat and mass transfer; Combustion and flames; Microfluidics; Geophysical and environmental fluid dynamics; Experimental methods in fluid mechanics; Hydrodynamics, Fluid-structure Interactions , etc.

Biomechanics -- Biological flows; Mechanics of cardiovascular system; Biorheology; Molecular biomechanics; Tissue engineering; Mechanics of bones and tissues; Mechanics of cell membranes; Orthotics and prosthetics; Locomotion; Rehabilitation robotics; Human-robot interaction, etc.

Numerous mini-symposia in various thematic areas will be organized

PLENARY SPEAKERS

Marian Wiercigroch, University of Aberdeen, UK (opening lecture)

Alexander Rachev, Institute of Mechanics, BAS, Bulgaria

Jerzy Warminski , Lublin university of Technology, Poland

Dora Karagiozova, Institute of Mechanics, BAS, Bulgaria

Giuseppe Rega, Sapienza University of Rome, Italy (closing lecture)

CONFERENCE LANGUAGE

The official language of the congress is English.

CONFERENCE PROCEEDINGS

Extended abstracts accepted for presentation at the congress will be published in the congress abstracts booklet. Selected papers will be invited for publishing in special issues of peer-reviewed journals. The conference proceedings is foreseen to be published by reputable publisher after the congress. More details will be announced on the congress website.

ORGANIZING COMMITTEE

Co-Chairmen: Emil Manoach and Svetoslav Nikolov

Secretary: Maria Datcheva

Members: Nina Pesheva, Ana Yanakieva, Stefan Karastanev, Evgeni Koytchev, Simona Doneva

A full list of the Scientific Committee members is given on the congress web site.

CORRESPONDENCE ADDRESS

14th NCTAM24 Organizing
Committee
Institute of Mechanics
Bulgarian Academy of Sciences
Acad. G. Bonchev Street, block 4,
1113 Sofia, Bulgaria

e-mail: congress@imbm.bas.bg

website: <https://congress.imbm.bas.bg/>