



## THE 26<sup>TH</sup> INTERNATIONAL CONGRESS OF THEORETICAL AND APPLIED MECHANICS

# ICTAM 2024 DAEGU, KOREA

25<sup>SUN</sup> - 30<sup>FRI</sup> AUGUST 2024

### THE 100<sup>th</sup> ANNIVERSARY OF ICTAM

## Abstract Submission Open and Close: October 1<sup>st</sup>, 2023~January 15<sup>th</sup>, 2024



### Introduction

ICTAM has been held every four years since its establishment in 1924 and is known as the **Olympics of mechanics**, which is the core field of engineering. The conference is **the world's most prestigious conference with as many as 5,000 participants** and is systematically operated by an international organization called IUTAM.



### Plenary Lectures



Opening Lecture  
**Distinguished Prof. Yoon Young Kim**  
Seoul National Univ, Korea

**Exotic anisotropic metamaterials for novel manipulation of elastic waves**



Closing Lecture  
**Dr. Berengere Dubrulle**  
CNRS, France

**Turbulence at the Kolmogorov scale**

Hill Prize Lecture (TBD)

Bachelor Lecture (TBD)



### Scientific Program

#### Sectional Lectures (Fluids)

**Prof. Anke Lindner (PMMH-ESPCI/Université Paris Cité, France):** TBD

**Prof. Lydia Bourouiba (Massachusetts Institute of Technology(MIT), USA):** TBD

**Prof. Haecheon Choi (Seoul National University, Korea):** Machine-learning-based large eddy simulation of turbulent flow

**Prof. Gautam Biswas (Indian Institute of Technology Kanpur, India):** TBD

**Prof. Anne-Virginie Salsac (Université de Technologie de Compiègne, Sorbonne Université, France):** TBD

**Prof. Jacques Magnaudet (CNRS / IMFT, France):** TBD

**Prof. Guowei He (Institute of Mechanics Chinese Academy of Sciences, China):** Space-time correlation and dynamic coupling in turbulent flows

**Prof. Gareth McKinley (Non-Newtonian Fluid Dynamics Group, USA):** TBD

#### Sectional Lectures (Solids)

**Prof. Ellen M. Arruda (Maria Comninou Collegiate, USA):** Full-field methods for characterizing the non-linear anisotropic response of soft tissues of the body

**Prof. Ferdinando Auricchio (University of Pavia, Italy):** Additive manufacturing: modeling, computations, industrial perspectives

**Prof. Nicolas MOËS (Ecole Centrale de Nantes, France):** TBD

**Prof. Alan Cocks (St Anne's College, UK):** TBD

**Prof. Claudia Comi (Department of Civil and Environmental Engineering Politecnico di Milano, Italy):** TBD

**Prof. Stanislaw Stupkiewicz (Institute of Fundamental Technological Research, Poland):** TBD

**Research Prof. François Hild (Ecole normale supérieure Paris-Saclay, France):** On the future of experimental mechanics in the digital world: An eikological perspective

**Prof. Henrik Myhre Jensen (Department of Mechanical and Production Engineering, Aarhus University, Denmark):** Propagating instabilities in solids

#### Mini-Symposia

8-Mini Symposia (4-Fluids and 4-Solids)

#### Thematic Session

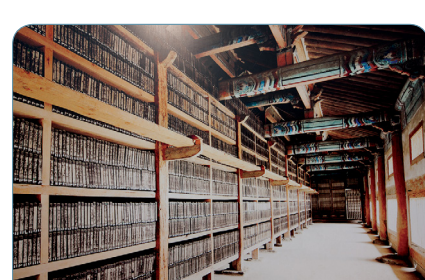
45-Thematic Sessions (18-Fluids, 18-Solids and 9-Fluids/Solids)



### Venue & Attractions



**Hahoe Village**  
Living Heritage which has well-maintained Korean traditional architecture.



**Haeinsa Temple Janggyeong Panjeon,**  
the Depositories for the Tripitaka Koreana Woodblocks  
The world's only tripitaka depository



**Seokguram Grotto and Bulguksa Temple**  
A masterpiece that shows the essence of ancient Korean Buddhist art



#### Conference Venue

**EXCO (Daegu Exhibition & Convention Center),**  
Korea's leading, purpose-built, world-class exhibition and convention venue.

**Go to the Website**