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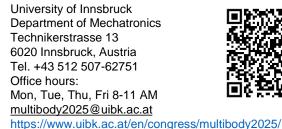Shabana A.A. (USA)
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ECCOMAS:
European Community on Computational Methods in Applied Sciences

ECCOMAS
Thematic Conference

Multibody Dynamics 2025

13th – 18th July 2025
Innsbruck, Austria

University of Innsbruck
Department of Mechatronics
Technikerstrasse 13
6020 Innsbruck, Austria
Tel. +43 512 507-62751
Office hours:
Mon, Tue, Thu, Fri 8-11 AM
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https://www.uibk.ac.at/en/congress/multibody2025/

universität innsbruck

Objectives

Multibody dynamics is an exciting area of mechanics, which merges various disciplines such as structural dynamics, multiphysics modeling, computational mathematics, control theory, and computer science in order to deliver methods and tools for the virtual prototyping of complex mechanical systems.

Multibody dynamics plays a central role in the modeling, analysis, simulation, and optimization of mechanical systems in a variety of fields and for a wide range of applications. As new methods and procedures are being proposed at a fast pace in academia, research laboratories, and industry, it becomes important to provide researchers in multibody dynamics with appropriate venues for exchanging ideas and results. The ECCOMAS Thematic Conference on Multibody Dynamics was initiated in 2003 to address these needs. Since then, the conference has been held every two years at rotating locations.

Conference Topics and Registration

The conference focuses on all aspects of multibody dynamics. Papers are especially solicited on the following topics:

• Biomechanics and medical applications

• Constraints and contact

• Mechatronics, robotics, and control

• Flexible multibody dynamics

• Formulations and numerical methods

• Optimization and sensitivity analysis

• Efficient simulation and real-time applications

• Education, validation, and software development

• Vehicle dynamics and aerospace applications

• Machine learning and artificial intelligence

Authors are invited to submit individual contributions related to any of the conference topics. Submissions and conference registrations have to be performed electronically via the conference website
https://www.uibk.ac.at/en/congress/multibody2025/

Venue

The 2025 ECCOMAS Multibody Dynamics Thematic Conference will be held at the Campus Technik of the University of Innsbruck, Innsbruck, Austria. The site is surrounded by an impressive mountain backdrop and is located not far from its airport. It is easily accessible by bus, tram, or car. Hotels, shops, restaurants, and a vast number of tourist and cultural attractions are easily reached either by walking or public transportation. Unique in Innsbruck: in less than 30 minutes you can go to an altitude of 2300 meters and enjoy a breathtaking view!

Social Program

The social program will include a reception and a banquet at a local place of interest.

Important Deadlines

Abstract submission	31st December 2024
Notification of acceptance	31st January 2025
Full paper submission (optional)	31st March 2025
Early registration	31st March 2025

Registration Fees

	Early Fees	Late Fees
Regular	700€	800€
Students	450€	550€

The conference fees include: conference booklet, access to abstracts and conference proceedings, attendance to all scientific sessions, coffee breaks, lunches and social program.

Organizing Committee

Johannes Gerstmayr - Chair	Michael Pieber
Peter Manzl	Andreas Zwölfer
Tanja Wachter - Secretariat	

Supports

European Community on Computational Methods in Applied Sciences (ECCOMAS)

University of Innsbruck

Journal of Multibody System Dynamics