

# 21st ASME International Conference on Multibody Systems, Nonlinear Dynamics, and Control (MSNDC)

as part of ASME IDETC-CIE

August 17-20, 2025

Hilton Anaheim, Anaheim, California, USA

We cordially invite you to contribute to the **21st ASME International Conference on Multibody Systems, Nonlinear Dynamics, and Control (MSNDC)**, to be held during the **ASME IDETC-CIE 2025**, August 17–20, 2025 in Anaheim, California.

MSNDC is a premier meeting event for professional networking and research exchange across the multibody systems and nonlinear dynamics technical community. The conference facilitates the dissemination of fundamental and applied research in the areas of multibody systems and nonlinear dynamics.

<https://event.asme.org/IDETC-CIE>  
<https://tc-msnd.org/msndc/msndc-2025/>

## Event Highlights:

- **Student Paper Competition** with **Cash Prizes** provided by the TC-MSND
- All full-length papers will be considered for the **MSNDC Best Paper Award Competition**
- Selected papers will be published in a Special Issue of the ASME Journal of Computational and Nonlinear Dynamics

## Keynote Lecturers:

- **Walter Lacarbonara**, Sapienza University of Rome, Italy
- **Johannes Gerstmayr**, University of Innsbruck, Austria
- 2025 Lyapunov award lecture (TBA)
- Journal of Computational and Nonlinear Dynamics Best Paper Award 2025

## Symposia:

- MSNDC-01 Nonlinear Dynamics and Control of Smart Structures and Systems
- MSNDC-02 Nonlinear Dynamics of Systems and Nonlinear Phenomena
- MSNDC-03 Contact Dynamics of Mechanical Structures
- MSNDC-04 Data-Driven and Machine Learning Techniques in Vibrations and Dynamics
- MSNDC-05 Dynamics of Biological, Bio-Inspired and Biomimetic Systems
- MSNDC-06 Industry Applications of Vibration, Shock, Acoustics and Dynamics
- MSNDC-07 Computational Methods and Software Tools in Multibody Systems and Nonlinear Dynamics
- MSNDC-08 Motion Planning, Dynamics, and Control of Robots
- MSNDC-09 Advances in Vehicles Dynamics and Controls
- MSNDC-10 Flexible Multibody Dynamics
- MSNDC-11 Coupled Problems in Multibody Dynamics

## Important Dates:

- Full-length paper submission: **March 17, 2025**
- Presentation-only abstract submission: **April 21, 2025**

## Conference Organizers:

*Conference Co-chairs:*

Andrea Arena, Sapienza University of Rome, [andrea.arena@uniroma1.it](mailto:andrea.arena@uniroma1.it)

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We look forward to seeing you in Anaheim, California!