

# SECOND CALL

The 3rd International Conference on Mechanical System Dynamics

\*\* ICMSD2025, Sept. 23-27, 2025 \*\* Babeș-Bolyai University, Cluj-Napoca, Romania





## SECOND CALL

#### The 3rd International Conference on Mechanical System Dynamics

◆◆◆ ICMSD2025, Sept. 23-27, 2025 ◆◆◆ Babeş-Bolyai University, Cluj-Napoca, Romania

Mechanical systems are essential to modern science and technology, driving progress across global economies and enhancing everyday life. The efficiency, reliability, and advancement of these systems are rooted in the field of mechanical system dynamics—a foundational discipline that enables innovations in complex mechanical design and functionality.

During Sept. 23-27, 2025, the 3rd International Conference on Mechanical System Dynamics (ICMSD2025) will be hosted by Babeş-Bolyai University in Cluj-Napoca Romania. Centered on the theme "Advances in Mechanical System Dynamics Research Driving Industrial Development," the conference will feature twenty topic areas that foster research in dynamic modeling of complex structures, multidisciplinary integration, and advanced industrial applications.

ICMSD2025 will bring together over ten renowned experts for plenary speeches and more than twenty sessions of oral and poster presentations, creating an invaluable platform for academic exchange and collaboration at the forefront of mechanical system dynamics.









#### Plenary Speakers

#### **Topics of Interest**

(including but not limited to)



**Prof. Asoke Nandi** 

Brunel University London Fellow of Royal Academy of Engineering of UK

Prof. Marco Amabili



**Prof. Chuanzeng Zhang** 

University of Siegen Member of the European Academy of Sciences



Prof. Dumitru I. Caruntu

University of Texas-Rio Grande Valley ASME Fellow



Westlake University Fellow of the Royal Society of Canada



**Prof. Marian Wiercigroch** 

University of Aberdeen Fellow of the Royal Society of Edinburgh



**Prof. Peter Eberhard** 

University of Stuttgart Former president of International Association for Multibody System Dynamic



**Prof. Wenhe Liao** 

Nanjing University of Science and Technology Standing Council Member of Chinese Society of Astronautics



**Prof. Xiaoting Rui** 

Nanjing University of Science and Technology Member of Chinese Academy of Science



**Prof. Zhenghong Zhu** 

**Prof. Ruqiang Yan** 

Xi'an Jiaotong University

IEEE Fellow, ASME Fellow

York University Fellow of Canadian Academy of Engineering







Fifteen world-renowned scientists will be invited to make plenary speeches

- Multibody system and mechanism dynamics
- Vibration and control
- Nonlinear dynamics
- Analytical mechanics
- Stochastics and uncertainty modeling
- Multibody system transfer matrix method (Rui method) and its application
- Tribology and contact mechanics
- Fluid -solid coupled systems
- Robotic system dynamics
- Dynamics in manufacturing systems
- Spacecraft dynamics
- Vehicle dynamics
- Biomechanics and bionics
- System modelling and identification
- Artificial intelligence and mechanical system dynamics
- Advanced signal processing for experimental mechanics
- Artificial intelligence for multibody system dynamics
- Sensitivity analysis and optimization
- Mechanical system dynamics for ocean engineering
- Aerospace mechanical system dynamics

You are cordially invited to share your latest research in ABSTRACT or FULL-LENGTH PAPER on any topics. After peer-reviewed, the full-paper proceedings will be published by Springer as part of the Lecture Notes in Mechanical Engineering and indexed in EI Compendex and Scopus. Please visit our website (https://www.icmsd-conference.com/) to submit your abstract or full-length paper or download templates and instructions. All submissions need to be written in English.

High quality submissions will be honored and rewarded, and recommended to be published in the International Journal of Mechanical System Dynamics (IJMSD ranks Q1 in the Engineering, Mechanical and Mechanics categories) and other publications.





#### **Important Dates**

(Romania Time, GMT/UTC + 2)

Dec.1, 2024 - Apr. 30, 2025	Abstract submission
Before May 30, 2025	Abstract acceptance notification sent
Dec.1, 2024 - Jun. 15, 2025	Full-length paper submission
Before Jul. 31, 2025	Full-length paper acceptance notification sent
Apr. 30, 2025- Jul. 31, 2025	Invitation letter and VISA assistance sent
Jun. 1, 2025- Aug. 15, 2025	Early-bird registration (Online)
Aug. 16, 2025 – Sept. 23, 2025	Regular registration (Online)
Sept. 23, 2025	In-person registration
Sept. 23, 2025 - Sept. 27, 2025	Conference Date

#### Organizer

#### Hosts



International Society of Mechanical System Dynamics



Babeș-Bolyai University

#### Co-Organizers



Romanian Academy

#### Chairman of the ICMSD



#### **Prof. Xiaoting Rui**

Nanjing University of Science & Technology

Member of Chinese Academy of Science President of International Society of Mechanical System Dynamics Editor-in-Chief of International Journal of Mechanical System Dynamics

#### Nanjing University of Science and Technology

Babeș-Bolyai University

**Aarhus University** 

Beijing Institute of Technology

Harbin Institute of Technology

Lappeenranta University of Technology

McGill University

Nanjing University of

Aeronautics and Astronautics

Nanyang Technological

University

Northwestern Polytechnical

University

Peking University

Polytechnic University of Milan

Shijiazhuang Tiedao University

Swansea University

The Hong Kong University of Science and Technology

The State University of New York (Koron)

York (Korea)

Tsinghua University

University of Aberdeen

University of Siegen



Technical Sciences Academy
of Romania
(Inviting in Progress)

#### Co-Hosts

National Key Laboratory of Complex Multibody System Dynamics

Nanjing University of Science and Technology

(Inviting in Progress)

### The state of the s

#### Prof. Gilbert-Rainer Gillich

Local Chairman of the 3rd ICMSD

Babeş-Bolyai University, Romania,
Dean of the Faculty of Engineering
Member of Technical Sciences Academy
of Romania





#### **Standing Steering Committee**

#### Chairman



#### Prof. Xiaoting Rui

Nanjing University of Science & Technology

Member of Chinese Academy of Science President of International Society of Mechanical System Dynamics Editor-in-Chief of International Journal of Mechanical System Dynamics

#### Vice-Chairmen



Prof. Aki Mikkola

Lappeenranta University of Technology IFToMM Finland Chair



Prof. George Z.H. Zhu

York University
Fellow of Canadian Academy of EngiProf. Ruqiang Yanneering
Fellow of Engineering Institute of Canada



#### Prof. Marco Amabili

Westlake University
Fellow of the Royal Society of Canada
International Member of the US National
Academy of Engineering



#### Prof. Marian Wiercigroch

University of Aberdeen
Fellow of the Royal Society of Edinburgh,
UK



#### Prof. Yonggang Huang

Northwestern University
Member of the US National Academy of
Engineering/Sciences

#### Members

Prof. Ahmed A. Shabana	University of Illinois Chicago	USA
Prof. Aki Mikkola	Lappeenranta University of Technology	Finland
Prof. Caishan Liu	Peking University	China
Assoc. Prof. Chengzhi Yuan	University of Rhode Island	USA
Prof. Chuanzeng Zhang	University of Siegen	Germany
Prof. Daining Fang	Beijing Institute of Technology	China
Prof. Fen Wu	North Carolina State University	USA
Prof. George Z.H. Zhu	York University	Canada
Prof. Gexue Ren	Tsinghua University	China
Prof. Gilbert-Rainer Gillich	Babeș-Bolyai University	Romania
Prof. Jie Pan	The University of Western Australia	Australia
Prof. Jihong Zhu	Tsinghua University	China
Prof. Jinsong Leng	Harbin Institute of Technology	China
Prof. Jorge Angeles	McGill University	Canada
Prof. Jozsef Kovecses	McGill University	Canada
Prof. M. Osman Tokhi	London South Bank University	UK
Prof. Marco Amabili	Westlake University	Italy
Prof. Marian Wiercigroch	University of Aberdeen	UK
Assoc. Prof. Mergen	TT.::4C A 1-1-:1-	A4 1 :-
Ghayesh	University of Adelaide	Australia
	Samara National Research University	Russia
Ghayesh	Samara National Research	
Ghayesh  Prof. Olga L. Starinova  Prof. Pierangelo	Samara National Research University	Russia
Ghayesh  Prof. Olga L. Starinova  Prof. Pierangelo  Masarati	Samara National Research University  Polytechnic University of Milan	Russia Italy
Ghayesh  Prof. Olga L. Starinova  Prof. Pierangelo  Masarati  Prof. Pol D Spanos	Samara National Research University  Polytechnic University of Milan Rice University	Russia Italy USA
Ghayesh  Prof. Olga L. Starinova  Prof. Pierangelo Masarati  Prof. Pol D Spanos  Prof. Ross McAree	Samara National Research University  Polytechnic University of Milan  Rice University  The University of Queensland	Russia Italy USA Australia
Ghayesh  Prof. Olga L. Starinova  Prof. Pierangelo Masarati  Prof. Pol D Spanos  Prof. Ross McAree  Prof. Shaopu Yang	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University	Russia Italy USA Australia China
Ghayesh  Prof. Olga L. Starinova  Prof. Pierangelo Masarati  Prof. Pol D Spanos  Prof. Ross McAree  Prof. Shaopu Yang  Prof. Sharif Rahman	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa	Russia Italy USA Australia China USA
Ghayesh Prof. Olga L. Starinova Prof. Pierangelo Masarati Prof. Pol D Spanos Prof. Ross McAree Prof. Shaopu Yang Prof. Sharif Rahman Prof. Sheng Liu	Samara National Research University  Polytechnic University of Milan  Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa  Wuhan University Nanjing University of	Russia  Italy  USA  Australia  China  USA  China  China
Ghayesh  Prof. Olga L. Starinova  Prof. Pierangelo Masarati  Prof. Pol D Spanos  Prof. Ross McAree  Prof. Shaopu Yang  Prof. Sharif Rahman  Prof. Sheng Liu  Prof. Wanlin Guo	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa Wuhan University Nanjing University of Aeronautics and Astronautics Northwestern Polytechnical	Russia  Italy  USA  Australia  China  USA  China  China  China
Ghayesh Prof. Olga L. Starinova Prof. Pierangelo Masarati Prof. Pol D Spanos Prof. Ross McAree Prof. Shaopu Yang Prof. Sharif Rahman Prof. Sheng Liu Prof. Wanlin Guo Prof. Weihong Zhang	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa Wuhan University Nanjing University of Aeronautics and Astronautics Northwestern Polytechnical University Nanjing University of Science	Russia  Italy  USA  Australia  China  USA  China  China  China  China
Ghayesh Prof. Olga L. Starinova Prof. Pierangelo Masarati Prof. Pol D Spanos Prof. Ross McAree Prof. Shaopu Yang Prof. Sharif Rahman Prof. Sheng Liu Prof. Wanlin Guo  Prof. Weihong Zhang Prof. Xiaoting Rui Assoc. Prof. Xuping	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa Wuhan University Nanjing University of Aeronautics and Astronautics Northwestern Polytechnical University Nanjing University of Science and Technology	Russia Italy USA Australia China USA China China China China
Ghayesh Prof. Olga L. Starinova Prof. Pierangelo Masarati Prof. Pol D Spanos Prof. Ross McAree Prof. Shaopu Yang Prof. Sharif Rahman Prof. Sheng Liu Prof. Wanlin Guo  Prof. Weihong Zhang Prof. Xiaoting Rui Assoc. Prof. Xuping Zhang	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa Wuhan University Nanjing University of Aeronautics and Astronautics Northwestern Polytechnical University Nanjing University of Science and Technology Aarhus University	Russia  Italy  USA  Australia China USA  China  China  China  China  China  Denmark
Ghayesh Prof. Olga L. Starinova Prof. Pierangelo Masarati Prof. Pol D Spanos Prof. Ross McAree Prof. Shaopu Yang Prof. Sharif Rahman Prof. Sheng Liu Prof. Wanlin Guo  Prof. Weihong Zhang Prof. Xiaoting Rui Assoc. Prof. Xuping Zhang Assoc. Prof. Yong Shi	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa Wuhan University Nanjing University of Aeronautics and Astronautics Northwestern Polytechnical University Nanjing University of Science and Technology Aarhus University Stevens Institute of Technology	Russia Italy USA Australia China USA China China China China China USA China USA China
Chayesh Prof. Olga L. Starinova Prof. Pierangelo Masarati Prof. Pol D Spanos Prof. Ross McAree Prof. Shaopu Yang Prof. Sharif Rahman Prof. Sheng Liu Prof. Wanlin Guo  Prof. Weihong Zhang Prof. Xiaoting Rui Assoc. Prof. Xuping Zhang Assoc. Prof. Yong Shi Prof. Yonggang Huang	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa Wuhan University Nanjing University of Aeronautics and Astronautics Northwestern Polytechnical University Nanjing University of Science and Technology Aarhus University Stevens Institute of Technology Northwestern University	Russia Italy USA Australia China USA China China China China USA China USA China USA China
Chayesh Prof. Olga L. Starinova Prof. Pierangelo Masarati Prof. Pol D Spanos Prof. Ross McAree Prof. Shaopu Yang Prof. Sharif Rahman Prof. Sheng Liu Prof. Wanlin Guo  Prof. Weihong Zhang Prof. Xiaoting Rui Assoc. Prof. Xuping Zhang Assoc. Prof. Yong Shi Prof. Yonggang Huang Prof. Yueguang Wei	Samara National Research University  Polytechnic University of Milan Rice University The University of Queensland Shijiazhuang Tiedao University University of Iowa Wuhan University Nanjing University of Aeronautics and Astronautics Northwestern Polytechnical University Nanjing University of Science and Technology Aarhus University Stevens Institute of Technology Northwestern University Peking University	Russia Italy USA Australia China USA China China China China USA China USA China China





#### Scientific Committee

(Inviting in Progress)

Prof. Adeel Shehzad	University of Engineering and Technology, Lahore	Pakistan
Prof. Ahmed A. Shabana	University of Illinois at Chicago	USA
Prof. Ahmet S. Yigit	Kuwait University	Kuwait
Prof. Aki Mikkola	LUT University	Finland
Prof. André Preumont	Free University of Brussels	Belgium
Prof. António Pereira	University of Aveiro	Portugal
Prof. Asoke Nandi	Brunel University London	UK
Prof. C. W. Lim	City University of Hong Kong	Hong Kong, China
Prof. Caishan Liu	Peking University	China
Prof. Chang Shu	National University of Singapore	Singapore
Prof. Chien Ming Wang	University of Queensland	Australia
Prof. Chien-Cheng Chang	Taiwan University	Taiwan, China
Prof. Chuanzeng Zhang	University of Siegen	Germany
Prof. Dumitru I. Caruntu	University of Texas - Rio Grande Valley	USA
Prof. Fangsen Cui	Institute of High-Performance Computing	Singapore
Prof. George Z.H. Zhu	York University	Canada
Prof. Gilbert-Rainer Gillich	Babeş-Bolyai University	Romania
Prof. Hamid M. Lankarani	Wichita State University	USA
Prof. Hamid M. Sedighi	Shahid Chamran University of Ahvaz	Iran
Prof. Jan Awrejcewicz	Lodz University of Technology	Poland
Prof. Janko Slavič	University of Ljubljana	Slovenia
Prof. Johannes Gerstmayr	University of Innsbruck	Austria
Prof. José Luis Escalona	University of Seville	Spain
Prof. Kun Xu	The Hong Kong University of Science and Technology	Hong Kong, China
Prof. Li Cheng	The Hong Kong Polytechnic University	Hong Kong, China
Prof. Majid Hassanizadeh	Utrecht University	Netherlands
Prof. Makoto Iwamura	Fukuoka University	Japan
Prof. Marco Amabili	Westlake University	Canada
Prof. Marian Wiercigroch	University of Aberdeen	UK
Prof. Mikhail V. Golub	Kuban State University	Russia
Prof. Mircea Dudescu	Technical University of Cluj-Napoca	Romania
Prof. Mohammad Osman Tokhi	London South Bank University	UK

Prof. Mohammed Chadli	University Paris-Saclay	France
Prof. Nimal Rajapakse	Sri Lanka Institute of Information Technology	Sri Lanka
Prof. Peter Eberhard	University of Stuttgart	Germany
Prof. Pierangelo Masarati	Politecnico di Milano	Italy
Prof. Ramesh K. Agarwal	Washington University in St. Louis Campus	USA
Prof. Reuven Segev	Ben-Gurion University of the Negev	Israel
Prof. Ross McAree	The University of Queensland	Australia
Prof. Ruqiang Yan	Xi'an Jiaotong University	China
Prof. Santosh Kapuria	Indian Institute of Technology Delhi	India
Prof. Sergio Andres Galindo-Torres	Westlake University	Australia
Prof. Sharif Rahman	The University of Iowa	USA
Prof. Stefano Lenci	Polytechnic University of Marche	Italy
Prof. Timon Rabczuk	Bauhaus University Weimar	Germany
Prof. Wanlin Guo	Nanjing University of Aeronautics and Astronautics	China
Prof. Weidong Zhu	University of Maryland, Baltimore County	USA
Prof. Wenhe Liao	Nanjing University of Science and Technology	China
Prof. Xiaoting Rui	Nanjing University of Science and Technology	China
Prof. Xiaoying Zhuang	Leibniz Universität Hannover	Germany
Prof. Yalchin Efendiev	Texas A&M University	USA
Prof. Zaharuddin Mohamed	Universiti Teknologi Malaysia	Malaysia
Prof. Zili Li	Delft University of Technology	Netherlands
Assist. Prof. Abdollah Malekjafarian	University College Dublin	Ireland
Assist. Prof. Andrea Zanoni	Polytechnic University of Milan	Italy
Assoc. Prof. Ioannis A. Kougioumtzoglou	Columbia University	USA
Assoc. Prof. Xuping Zhang	Aarhus University	Denmark

#### Mini-symposia

If you are interested in chairing a mini-symposia, please contact the conference local organizing committee.





#### Local Organizing Committee

#### Chairman

Prof. Gilbert-Rainer Gillich

Babeș-Bolyai University

#### Vice-Chairmen

Prof. Guoping Wang

Nanjing University of Science and Technology

Prof. Liviu Marsavina

Politehnica University of Timișoara

#### • Secretaries-General:

Prof. Xue Rui

Nanjing University of Science and Technology

Assoc. Prof. Zoltan-losif Korka

Babeș-Bolyai University

#### Deputy Secretaries-General:

Assoc. Prof. Cristian Tufisi, Babeş-Bolyai University Prof. Cheng Cheng, Nanjing University of Science and Technology

#### Staff

Assoc. Prof. Zeno-Iosif Praisach, Babeş-Bolyai University

Assoc. Prof. Ziyao Ma, Nanjing University of Science and Technology

Mr. Hang Zhang, Nanjing University of Science and Technology

#### Relevant Information

- Venue & Hotels:Cluj-Napoca Hotels
- Accommodations in Cluj-Napoca include:
- Hampton by Hilton
- Hotel Beyfin
- Hotel Victoria
- Courtyard Cluj-Napoca Downtown
- Retro Hostel
- Ramada by Windham
- Hotel Meridian
- Hotel Confort
- Double Tree by Hilton
- Grand Hotel Italia
- Hotel Napoca
- Hotel Belvedere
- Radisson Blue

During the conference, the committee will arrange dining for participants, and local transportation from the airport to the hotel and vice versa for overseas participants, but the accommodation needs to be arranged by the participants themselves. Please book the hotel in advance.

If you need assistance with your Hotel Reservation, please contact us.

#### **Sponsors**

Advanced Science Center for Complex Equipment System Dynamics, China (Inviting in Progress)





#### Registration Fee

Ticket Type	Early-Bird Registration (Before Aug 15, 2025)	Regular Registration (After Aug 15, 2025 & On-site)
Author Registration (ISMSD members*)	LEI 1940 / USD 430 / EUR 390	LEI 2400 / USD 530 / EUR 480
Author Registration (non-ISMSD members*)	LEI 2150 / USD 470 / EUR 430	LEI 2650 / USD 580 / EUR 530
Student Registration	LEI 1440 / USD 320 / EUR 290	LEI 1940 / USD 430 / EUR 390
Accompany Person (Family member only)	<del>-</del>	LEI 750 / USD 166 / EUR 150

Full refund for cancellation before Jun. 23, 2025. 50% refund for cancellation before and including Jul. 23, 2025.

No refund for cancellation after Jul. 24, 2025.

\* Membership is free of charge. Please apply on conference website (www.icmsd-conference.com).

#### Contact

Contacts	Tel	Email
Prof. Gilbert-Rainer Gillich	+40730583049	iomad2025 conformac@ubbalui ra
Assoc. Prof. Cristian Tufisi	+40734052036	icmsd2025.conference@ubbcluj.ro
Prof. Xue Rui	+8618682731692	
Prof. Cheng Cheng	+8613813863613	
Assoc. Prof. Ziyao Ma	+8615111322418	office@ismsd.com
Assoc. Prof. Qinbo Zhou	+8615850579037	
Dr. Xun Wang	+86 25 84312400	

#### How to reach Cluj-Napoca

X By plane: There are direct flights connecting Cluj-Napoca with Abu Dhabi, Alicante, Barcelona, Bari, Basel, Bergamo, Bologna, Budapest, Brussels Charleroi, Catania-Sicilia, Dortmund, Dublin, Eindhoven, Frankfurt Hahn, Istanbul, Leeds, Lisbon, London Luton, London Stansted, Lyon, Madrid, Malaga, Malmo, Memingen, Munich, Napoli, Nisa, Nurnberg, Paris Beauvais, Rome, Stuttgart, Valencia, Venice, Vienna, Warsaw, Zaragoza, and Zurich.

(Cluj-Napoca International Airport)

Airlines with service to Cluj-Napoca include: WizzAir, Lufthansa, Air Dolomiti, Tarom, Ryanair, Turkish Airlines, Polish Airlines LOT, Hi Sky, AeroExpress Regional, Swiss, Air Baltic.

- By train: Cluj-Napoca is about 9 hours from Bucuresti (Bucharest), and 11 hours from Budapest, Hungary.
- By car: If you travel from Western Europe, take motorway M1 from Wien to Budapest, then European Route E60 for Budapest → Szolnok → Puspokladany → Artand / Bors (border crossing) → Oradea → Cluj-Napoca.





#### Appendix –

#### Introduction of the ISMSD

The International Society of Mechanical System Dynamics (ISMSD) is an international, academic, and non-profit social organization. The society focuses on the scientific and technological aspects of object motion and interaction throughout the entire lifecycle of mechanical systems, including their design, manufacturing, testing, evaluation, and usage. The ISMSD was jointly initiated by 100+ founding members from 35 countries across six continents, including Prof. Xiaoting Rui, Member of the Chinese Academy of Sciences; Prof. Marco Amabili, Fellow of the Royal Society of Canada; Prof. Chuanzeng Zhang, Member of the Academia Europaea; Prof. Ross McAree, Fellow of the Australian Academy of Technological Sciences and Engineering; Prof. Wanlin Guo, Member of the Chinese Academy of Sciences; Prof. Marian Wiercigroch, Fellow of the Royal Society of Edinburgh; Prof. Zhenghong Zhu, Member of the Canadian Academy of Engineering; Prof. Santosh Kapuria, Fellow of the Indian Academy of Sciences. Among the co-initiators are 22 Members of National Academy of Sci./Eng, 15 Presidents of International Organizations, and 45 Editors-in-Chief of International Journals from 78 organizations, and 10 Fortune 500 Companies.

Website: www.ismsd.com

#### Introduction of the 1st ICMSD

The 1st International Conference of Mechanical System Dynamics (ICMSD2021+1) was successfully held in August, 2022, in Nanjing, China, by the Nanjing University of Science & Technology, Chinese Society of Theoretical and Applied Mechanics, the International Association of Applied Mechanics, John Wiley & Sons Inc., Chinese Society of Launch Dynamics (planned) and International Journal of Mechanical System Dynamics. We welcomed 2000+ participants from 20+ countries and regions, including 50+ world-leading scientists, with 400+ accepted submissions and 200+ speeches. 11 Plenary/Keynote Speeches were presented by 11 experts from 6 countries, including 9 members of National Academy of Science/Engineering.

Website: www.icmscd-conference.com/2021+1/







#### Introduction of the 2nd ICMSD

The 2nd International Conference on Mechanical System Dynamics (ICMSD2023) was hosted by Peking University, in Beijing, China, Sept. 1-5, 2023. More than 1000 experts, scholars and engineers, including 37 members of national academies of science/engineering, 18 Editors-in-Chief of international journals and 7 presidents/chairmen of international academic associations from 204 universities/institutes in 23 countries gathered together to promote "Technology Innovations by Understanding Mechanical Dynamics". We accepted 620 peer-reviewed submissions, and organized 378 oral presentations and 242 poster presentations including 11 Plenary/Keynote Speeches.

Website: www.icmsd-conference.com/2023/

#### Introduction of the IJMSD

The International Journal of Mechanical System Dynamics (IJMSD), published by Wiley, is a peer-reviewed and open-access journal that aims to systematically reveal the vital effect of mechanical system dynamics on the whole lifecycle of modern industrial equipment. Especially, it focuses on the science and technology about laws of motion and interaction of objects concerned in the simulation design, manufacturing, testing, evaluation, and utilization of various complex equipment. IJMSD publishes Research Articles, Reviews, News, Short Communications, and Editorials based on both fundamental and applied research concerning the dynamics of all kinds of mechanical systems. The journal emphasizes the "system" point of view and system-level tools for understanding the dynamics. The systems concerned include not only various machinery and structures of different scales, but also integrated mechanical systems with multi-physics / multi-disciplinary nature.

The editorial board of IJMSD consists of 69 internationally renowned experts from 18 countries, including 21 members of the National Academy of Science or Engineering, 20 Editors-in-Chief of other international journals, and 17 presidents of academic societies. The Editor-in-Chief is Prof. Xiaoting Rui, member of the Chinese Academy of Sciences, President of the International Society of Mechanical System Dynamics (ISMSD). The three Co-Editors-in-Chief are: Prof. Marco Amabili, Foreign Member of Academia Europaea and Member of the European Academy of Sciences, from Westlake University, Canada; Prof. Peter Eberhard, former Treasurer of the International Union of Theoretical and Applied Mechanics (IUTAM) and former Chairman of the International Association on Multibody System Dynamics (IMSD) from the University of Stuttgart, Germany; and Prof. Yonggang Huang, Member of the National Academy of Engineering, USA and Member of the National Academy of Sciences, USA, from Northwestern University, USA.

IJMSD is now indexed by Emerging Sources Citation Index (ESCI), Web of Science (WoS), Ei Compendex, SCOPUS, INSPEC (IET), DOAJ, etc. The journal ranks in the Q1 quartile in the Engineering, Mechanical and Mechanics categories (Journal Citation Reports 2024, Clarivate). Additionally, article Publication Charges (APCs) are currently waived in 2024.

Website: www.onlinelibrary.wiley.com/journal/27671402





#### Introduction of the Babeş-Bolyai University

Babeş-Bolyai University (BBU) with its main campus in Cluj-Napoca and 10 extensions throughout the country is the largest and, with its three official languages, Romanian, Hungarian, and German, the most comprehensive higher education institution in Romania. It has the longest academic tradition in the country, with a history that goes as far back as 1581. BBU has been ranked the best Romanian university according to the University Metaranking for the past seven years. For several years, BBU has occupied the first position in Romania in numerous global university rankings by subject domains, being consistently ranked among the top 5% of the best universities in the world with an advanced academic infrastructure and recently, following the international QS Stars audit, BBU was confirmed as the first "world-class" university in Romania. As Engineering is placed among the priority sectors within our complex academic profile, Babeş-Bolyai University welcomes the opportunity to participate in organizing the 3rd International Conference on Mechanical System Dynamics (ICMSD).

Website: www.ubbcluj.ro/en

