

INTERNATIONAL CONFERENCE ON MECHANICAL TRANSMISSION

April 17-20, 2025 | Chongqing, China



In recent years, to meet the escalating demands of modern industry and society, the mechanical transmission technology has been making continual progress and getting new achievements in design theories, advanced materials, processing and evaluation techniques. Currently, new applications such as large megawatt wind turbines, new energy vehicles, all electrical equipment, etc., and increasingly stringent environmental protection requirements poses significant challenges to mechanical transmission. Meanwhile, the emergence of cutting-edge technologies such as artificial intelligence and digital twins bring new revolution to the mechanical transmission.

Therefore, State Key Laboratory of Mechanical Transmission for Advanced Equipment in China is organizing the International Conference on Mechanical Transmission (ICMT 2025), which offers a shared platform for scientists, manufacturers and users, to discuss and present trends and innovations in mechanical transmission. On behalf of the Organization of ICMT 2025, we are delighted to invite academic researchers and industrial engineers from all around the world to participate in this event, scheduled for 17-20 April 2025, in Chongqing, China. The conference covers the most important and interesting research subjects of mechanical transmission such as gears, bearings, reducers/transmissions, and electric drive transmission systems, etc.

ICMT 2025 Speakers Announced

Keynote Speeches

Prof. Philippe Velex

INSA Lyon, France

"Mesh interface models in complex gears-some examples in aeronautical applications"

Prof. Ahmet Kahraman

The Ohio State University, USA

"Unique dynamic behavior exhibited by EV gear trains"

Prof. Karsten Stahl

Technical University of Munich, Germany

"Superefficient geared transmission"

Dr. Guillermo E. Morales Espejel

Svenska Kullager-Fabriken (SKF), Sweden

"Rolling bearings and application challenges"

Prof. Xiangyang Xu

Beihang University, China

"Innovation and practice of dedicated hybrid transmission configuration"

Special Invited Speeches

Prof. Tomoko Hirayama

Kyoto University, Japan

"Aerostatic bearing actuator for nano-positioning"

Prof. Paolo Pennacchi

Politecnico di Milano, Italy

"Rolling bearing diagnostics in harsh and noisy conditions and off-design load"

Dr. Qi Fan

The Gleason Works, USA

"Advanced developments in bevel gear design and manufacturing technology"

Prof. Zhaoyao Shi

Beijing University of Technology, China

"In-depth utilization of holistic gear deviations-process tracing and performance forecasting"

Prof. Huaiju Liu

Chongqing University, China

"Anti-fatigue design and fundamental data of high-performance gears"

Submission Method

Prospective authors are invited to submit a 400 word abstract by 30 June 2024 using the conference website at <https://icmt2025.org/>. The official language of the conference is English. Full paper submission will be requested after the acceptance of the abstract. The submitted paper will go through a peer review process and be published in the proceedings of the ICMT2025 conference, which will be sent to EI database for indexing.

Submission link: <http://www.easychair.org/conferences/?conf=icmt2025>

Important Dates

Abstract Submission	30 th June 2024
Acceptance Notification of Abstract	30 th July 2024
Draft Paper Submission	30 th Oct. 2024
Acceptance Notification of Full Paper	10 th Dec. 2024
Registration and Submission of Final Paper	15 th Jan. 2025

Conference Registration Fees

Early registration (before 15 th Feb. 2025)	450 USD (CNY 3200)
Registration (after 15 th Feb. 2025)	500 USD (CNY 3600)
Early registration for Students (before 15 th Feb. 2025)	300 USD (CNY 2200)
Registration for Students (after 15 th Feb. 2025)	350 USD (CNY 2500)

Accompanying attendees refer to the above standard charges.

Conference Organizer

State Key Laboratory of Mechanical Transmission for Advanced Equipment (SKLMT), Chongqing University

The SKLMT at Chongqing University is one of the earliest State Key Laboratories in the field of mechanical engineering in China. It serves as a leading scientific research platform for both theoretic and applied fundamental research in mechanical transmissions, including theory and method of mechanical transmission, advanced manufacturing technique, system integration and measurement technology. These research achievements have made significant contributions to the development of high-end equipment across various industries of China such as metallurgy, marine, aerospace, new energy equipment, robotics and machine tools, etc.



Conference Location: Chongqing, China

Chongqing, located in the southwest of China, is the youngest municipality established in 1997. Renowned for its mountainous landscape, the city is known as the 'mountain city'. Its rich cultural heritage, including the Ba, Three Gorges, and Three Kingdoms cultures, along with its modern urban civilization, contribute to Chongqing's wealth of cultural tourism resources. Experiencing unprecedented development, Chongqing has become the largest manufacturing center and a prominent economic growth pole in the western China.

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Further information concerning accommodation, paper submission etc., can be found on the conference website at: <https://icmt2025.org/>

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(Matters related to conference services)