

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.

Till now, ICMT 2025 has accepted over 300 papers from 14 countries.

Welcome to Join in ICMT 2025

Keynote Speeches



Prof. Philippe Velex

INSA Lyon, France

On Mesh Interface Simulations in Complex Three-Dimensional Gears



Prof. Ahmet Kahraman

The Ohio State University, USA

Gear Dynamics Behavior Unique to High-speed Electric Vehicle Geartrains



Prof. Karsten Stahl

Technical University of Munich, Germany

Superefficient Geared Transmissions



Dr. Guillermo E. Morales Espejel

SKF, Research and Technology Development, Université de Lyon, LaMCoS, INSA-Lyon, Imperial College, UK

Rolling Bearings – Tribological Damaging Modes Modelling



Prof. Xiangyang Xu

Beihang University, China

Innovation and Practice of Dedicated Hybrid Transmission Configuration in China

Invited Plenary 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

Conference Registration Fees

| Items | Early-bird Registration (from December 10, UTC+8 00:00) | Regular Registration (from February 16, UTC+8 23:59) |
|-----------------|--|---|
| Regular Authors | 450 USD / 3200 CNY | 500 USD / 3600 CNY |
| Student Authors | 300 USD / 2200 CNY | 350 USD / 2500 CNY |

*Note: Listeners without papers register the conference by the same rate.

Registration Method



Scan the QR code or click the following links to registration.

<https://iconf.young.ac.cn/pA1YN>

Conference Venue



DoubleTree by Hilton Chongqing

Address: No. 36 Nanping West Road Nan'an District, Chongqing, China

Important Dates

Deadline for Submission of Final Paper January 15, 2025

Deadline for Early-bird Registration February 15, 2025

Deadline for Registration March 20, 2025

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.

contact us

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

Dr. Wei

Email: icmt@cqu.edu.cn

Phone: +86-13281280917 / +86-13739469027 (Matters related to conference services)