



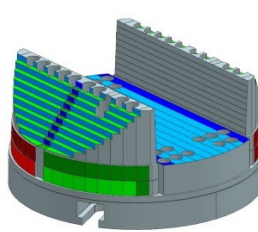
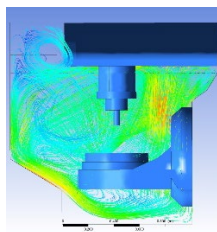
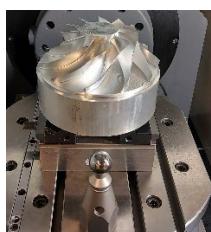
4th International Conference on Thermal Issues in Machine Tools ICTIMT 2025

17th – 19th of June 2025

1st announcement and call for papers

The Organizing Committee of CIRP ICTIMC2025 cordially invites you to participate in the 4th CIRP sponsored International Conference on Thermal Issues in Machine Tools, held in Zurich, Switzerland. The conference will be a place for researchers, users and providers of machinery with

the scope to show the recent progress and cutting edge of technologies, innovations and visions in the area of analysis and compensation of thermal errors in manufacturing machinery.



Organisation

Prof. Dr.-Ing. Markus Bambach, ETH Zürich
Dr. Josef Mayr, inspire AG
Prof. Dr. Andreas Kunz, IWF ETH Zürich
Prof. em. Dr.-Ing. Konrad Wegener, inspire AG
Petr Kaftan, inspire AG

Dr. Ralf Gerdes, inspire AG Zürich
Dr. Martin Stöckli, inspire AG Zürich
Sebastian Lang, inspire AG
Petra Kahl, inspire AG
Karin Schuchter, inspire AG Zürich
Josef Meile, inspire AG Zürich

Conference site

More than 2000 years ago, Zurich was founded by the Romans as a fortress. Today, Zurich has about 400'000 inhabitants and is the largest city in Switzerland. Zurich is the main town of a canton also named Zurich. With snow covered mountains in sight, the huge water reservoir of the Lake of Zurich, important and numerous historical monuments, and a rich cultural scene, Zurich is one of Europe's most attractive cities. Zurich is not only important for its universities, but is also the commercial centre of Switzerland and a platform for international trade.

In 1855, the Swiss Federal Institute of Technology (ETH) was founded mainly as a school for engineers, but also as compensation to Zurich for not becoming the capital city of Switzerland. Gottfried Semper designed the imposing main building, and it was built from 1861 to 1864. Since the founding of ETH Zurich, it has been a driving force behind the Swiss industry, whose innovative products and services are in demand worldwide. In the history of ETH, many well-known scientists and 21 Nobel Prize winners are associated with this school. 24,400 students, including 4,320 doctoral students, from over 120 countries are matriculated in 16 departments of various technical and scientific disciplines.

Contact Information

Secretariat of the conference:

Tel: +41 44 / 632 78 81

ictimt2025@ethz.ch

Further information on the conference can be found at :

<https://ictimt2025.ethz.ch>

Conference fee (exklusive 8% VAT)

		before 31.03.2025	after 01.04.2025
Normal	CHF	750	850
Referenten / Studenten	CHF	350	400



Topics

The conference covers but is not limited to the following topics:

- Thermal simulation of machine tools
- Thermal compensation and correction of machine tools and other production machinery
- Artificial intelligence used and useful against thermal issues of machinery
- Testing and simulation methods to identify thermal errors
- Reference workpieces and assessment
- Energy efficiency of machine tools
- Improving thermal robustness of machine tools through design modification
- Thermo-energetic optimization of machine tools
- Simulation and measurement of heat release from manufacturing processes

Submission of contributions

Authors are invited to submit an abstract in English with a maximum of 500 words. The short version may not contain any images. The title of the article, the names of the authors and their employment, telephone number, correspondence address and email address must be submitted along with the abstract.

The abstract must be submitted until **November, 29th 2024** via the following website:

<https://ictimt2025.ethz.ch>

All manuscripts are scientifically assessed by experts. The evaluated contributions will be published in CIRP Procedia.

Important dates:

Submission of abstract:	November, 29th 2024
Acceptance of abstract:	December, 15th 2024
Submission of full paper:	February, 15th 2025
Review-information and acceptance of papers:	15. March 2024
Final announcement of program:	March 30th 2025
Submission of final paper:	April, 15th 2025
ICTIMT2025 Zürich:	June, 17th – 19th 2025

Scientific Comitee (preliminary)

Dr. Gorka Aguirre, Ideko, Spain	Dr. Petr Kolar, rcmt, Prague
Prof. Dr. Andreas Archenti, KTH Stockholm	Prof. Dr. Daisuke Kono, Kyoto University
Prof. Dr.-Ing. Markus Bambach, IWF AMLZ, ETH Zürich	Dr. Martin Mares, rcmt, Prague
Prof. Dr. Friedrich Bleicher, IFT, TU Wien	Prof. Dr. Atsushi Matsubara, Kyoto University
Prof. Dr.-Ing. Christian Brecher, MIT, RWTH Aachen	Prof. Dr. René Mayer, Polytechnical University Montreal
Prof. Dr. Erhan Budak, Sabanci University Turkey	Dr. Josef Mayr, inspire, Zürich
Prof. Dr. Matthew Davies	Prof. Dr.-Ing. Hans-Christian Möhring, IFW, University Stuttgart
Prof. Dr.-Ing. Berend Denkena, IFW, Leibniz- Universität Hannover	Dr.-Ing. Lars Penter, IWU, TU Dresden
Prof. Dr.-Ing. Steffen Ihlenfeldt TU Chemnitz	Prof. Dr. Matej Sulitka, rcmt, Prague
Prof. Dr.-Ing. Martin Dix, IWU, Fraunhofer	Dr. Mathieu Ritou, University de Nantes
Prof. Dr. Alkan Donmez, NIST	Prof. Dr. Scott Smith
Dr. Otakar Horejs, rcmt Prague	Prof. Dr.-Ing Masakazu Soshi, UC Davies
Prof. Dr. Soichi Ibaraki, Hiroshima University	Prof.em. Dr.-Ing. Konrad Wegener, inspire, Zürich
Prof. Dr. Jerzy Jedrzejewski, University Wroclaw	Prof. Dr.-Ing. Matthias Weigold, PTW, Darmstadt
Prof. Dr. Yasuhiro Kakinuma, Keio University	Prof. Dr. Rafael Wertheim
	Prof. Dr.-Ing. Michael Zäh, IWB, TU München