ASMET®
THE AUSTRIAN SOCIETY FOR METALLURGY AND MATERIALS

ASSOCIAZIONE ITALIANA DI METALLURGIA

TOOling2025

#4sustainability

TOOLING CONFERENCE 2025

DATE:
March 24-27, 2025

LOCATION:
Grand Hotel Trento
Trento, IT

www.tooling2025.org
tooling2025@asmet.at

ABOUT THE CONFERENCE

The 13th International Tooling Conference will be a continuation of a long established philosophy of providing a forum for practicing engineers and researchers to exchange their ideas and experiences in all aspects in the field of tooling. As well as giving practitioners an opportunity to keep up-to-date in the latest developments in production and application of tooling materials, the conference will also provide an excellent forum for researchers to present their work and enhance it's transformation to industrial application. The upcoming 13th International Tooling Conference will be dedicated to sustainability in the field of tooling.

TRENTO, ITALY

Trento, the capital of Trentino-Alto Adige with about 117,000 inhabitants, is built on three pillars: history, culture, and nature. Its history is marked by the reign of the prince bishops and the famous Sixteenth-century ecumenical Council. Culturally, Trento is vibrant with its prestigious University, the MUSE a world-renowned natural science museum), the Castello del Buonconsiglio, and the Museo Diocesano among other historical sites. Nature surrounds the city with majestic mountains, green parks, and the striking Sardagna waterfall, enhancing the city's unique landscape.

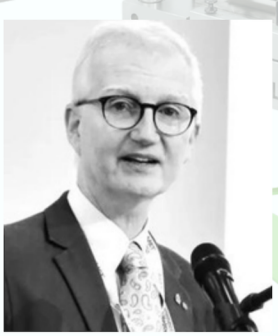
CONFERENCE LOCATION

Grand Hotel Trento
Piazza Dante 20 – 38122 Trento (TN)
Tel: +39 0461 271000
WhatsApp: +39 347.5765932
Mail:reservation@grandhoteltrento.com

Distance from Airports:
Venezia (Marco Polo), 2h 13min
Treviso (TrevisoAirport), 2h 12min
Verona (Valerio Catullo), 1h 02min
Bergamo (Orio al Serio) 1h 59min
Bozen (Dolomiti). 42min

ORGANIZATION

SCIENTIFIC CHAIRMAN



Massimo Pellizzari graduated in Materials Engineering in 1996 from the University of Trento. In 2000 he got a PhD in Metallurgical Engineering at the University of Padova. Since 2023 he's full professor of Metallurgy at the University of Trento. His research activity is mostly focused on production, heat treatment and surface engineering of steels, cryogenic treatments, properties of tool steels, special cast irons, development of tool steel by additive manufacturing. Since 2024, he's president of the International Federation for Heat Treatment and Surface Engineering.

SCIENTIFIC COMMITTEE

Nader **ASNAFI**, Örebro University, *Sweden*

Thomas **BERGS**, RWTH Aachen University, *Germany*

Mário **BOCCALINI JÚNIOR,** IPT, *Brasil*

Stefanie **BROCKMANN**, Stahlinstitut VDEh, *Germany*

Christoph **BROECKMANN,** RWTH Aachen University, *Germany*

Rafael **COLÁS,** University of Nuevo Leon, *Mexico*

Faraz **DEIRMINA,** Sandvik, *Sweden*

Joseph **DOMBLESKY**, Marquette Unniversity, *USA*

Christoph **ESCHER,** Dörrenberg Edelstahl GmbH, *Germany*

Gerhard **HACKL**, ASMET The Austrian Society for Metallurgy and Materials, *Austria*

Frank **HIPPENSTIEL**, BGH Edelstahlwerke GmbH, Germany

Patrik **KARLSSON**, Örebro University, *Sweden*

Hans-Günter **KRULL**, Deutsche Edelstahlwerke Specialty Steel, *Germany*

Pavel **KRAHKMALEV**, Karlstad University, *Sweden*

Harald **LEITNER**, voestalpine BÖHLER Edelstahl GmbH & Co. KG, *Austria*

Alberto **MOLINARI**, University of Trento, *Italy*

Pasi **PEURA**, Tampere University, *Finland*

Bojan **PODGORNIK**, Institute of Metals and Technology, *Slovenia*

Farhad **REZAI-ARIA**, École Mines-Télécom, *France*

Rainer **SALOMON**, FOSTA e.v., *Germany*

Sachin **SALUNKHE**, Vel Tech, *India*

Reinhold **SCHNEIDER**, Upper Austria University of Applied Sciences, *Austria*

Till **SCHNEIDERS**, Stemcor Special Products GmbH, *Germany*

Ewa **SJÖQVIST PERSSON**, Uddeholms AB, *Sweden*

Daniele **UGUES**, Politechnic of Turin, *Italy*

Sebastian **WEBER**, Ruhr-Universität Bochum, *Germany*

TOPICS 2025

To implement the world's ambitious sustainability mission throughout all industrial segments, the entire value chain has to be considered. The 13th International Tooling Conference aims to highlight technologies for sustainable improvements of tooling materials and their application. In addition to the traditional focus areas of alloy development, heat treatment, mechanical properties etc., the conference invites people from academia, supply chain, and product users of the tooling community that highlight technologies that contribute to improve the sustainable production (raw material, circular economy), manufacturability, life-cycle prediction and performance of tooling materials.

Production

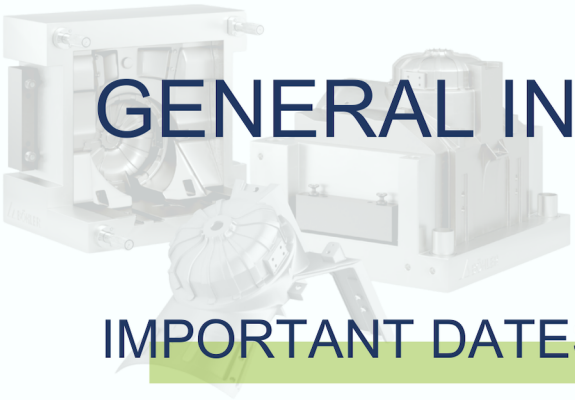
- Tool materials with higher performance
- Alternative production routes
- Alternative raw materials
- Reducing of the CO2 footprint
- Recycling of tool materials

Processing

- Processability of tool materials
- Surface treatment of tool material
- Refurbishment of tool materials
- Heat treatment of tool materials
- Additive manufacturing of tools

Application

- New technologies
- Improvements in efficiency
- Life-cycle prediction
- Monitoring of damage



GENERAL INFORMATION

IMPORTANT DATES

Submission of Abstracts*:	October 1, 2024
Notification of Acceptance:	October 30, 2024
Full Paper/Extended Abstract Submission**:	December 20, 2024

*Please submit you abstract online via our submission tool on www.tooling2025.org (max. 300 words).
**After acceptance, please submit an extended abstract or a full paper, using the templates on our website www.tooling2025.org.

TOOLING 2025 SPECIAL ISSUE OF STEEL RESEARCH INTERNATIONAL

During the paper review process, the scientific committee will select some of the submitted papers for submission to the Tooling 2025 special issue of steel research international. These papers should meet the criteria of steel research international regarding quality and novelty and will be subject to the journal's regular peer review.

HANS BERNS AWARD

Tooling 2025 continues to commemorate Prof. Hans Berns, one of the founding fathers of the Tooling Conference, through the Hans Berns Award. This award will be given to a young researcher who is the author/co-author and presenter of one of the full papers at Tooling 2025. A jury will select the awardee based on the scientific merits of this paper.

*Interested researchers who are under 35 years old can apply for the HANS BERNS Award 2025.

SUPPORTERS:

ASMET® THE AUSTRIAN SOCIETY FOR METALLURGY AND MATERIALS

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