

12<sup>th</sup>

# TOOLing2022

Conference & Exhibition

25 - 27 April 2022  
Conventum, Örebro, Sweden



## CALL FOR ABSTRACTS

**ASMET**®

THE AUSTRIAN SOCIETY FOR  
METALLURGY AND MATERIALS

E-mail: [tooling2022@asmet.at](mailto:tooling2022@asmet.at)  
Web: <http://www.tooling2022.org>

**Welcome to the 12th Tooling Conference & Exhibition, Tooling 2022, held on 25-27 April 2022 in Örebro, Sweden.**

The Tooling conferences have been held since 1987 and attract speakers and participants from all continents. The conference topics are cold and hot working tool steels, high speed steels, plastic mold steels, hard metals and cermets, steel/material design, tool steel development, microstructure, properties and performance, production of tool steels, simulations and modelling, additive manufacturing, processing, machining, polishing, heat treatment, surface engineering and coating, wear resistance, fatigue under mechanical and thermal cyclic loads, corrosion resistance, tooling applications, tooling contributions to e-mobility, digitalization in the tool steel and toolmaking industry, sustainable toolmaking including health aspects, circular economy and tooling supply chain.

The Tooling 2022 will take place in Örebro, Sweden. Örebro is a city with 125,000 inhabitants. It is the sixth largest city in Sweden and one of the largest inland hubs of the country. It is located near the lake of Hjälmarén, although a few kilometres inland along the small river Svartån.

Örebro is the home of Örebro University, a major university hospital, a medieval castle, the water park Gustavsvik as well as several large shopping malls and the Oset-Rynningeviken nature reserve at the lakefront.

Örebro received its Royal Charter and city privileges not later than 1404.

The location became a natural seat of commerce in the Scandinavian Middle Ages and is mentioned in print in the 13th century. Old buildings from the early days include the foundations of the city church, a building which has undergone several modifications.

**We are looking forward to welcoming you at  
TOOLING 2022 Conference & Exhibition!**



**25 - 27 APRIL, 2022**  
**Örebro, Sweden**  
**[www.tooling2022.org](http://www.tooling2022.org)**

## SCIENTIFIC COMMITTEE

**Nader ASNAFI**, Örebro University, Sweden - Conference Chairman  
**Thomas BERGS**, RWTH Aachen University, Germany  
**Jens BERGSTRÖM**, Karlstad University, Sweden  
**Mário BOCCALINI JÚNIOR**, the Institute of Research and technology (IPT), Brazil  
**Stefanie BROCKMANN**, Steel Institute VDEh, Germany  
**Christoph BROECKMANN**, RWTH Aachen University, Germany  
**Rafael COLÁS**, University of Nuevo Leon, Mexico  
**Joseph DOMBLESKY**, Marquette University, USA  
**Jens EKENGREN**, Örebro University, Sweden  
**Christoph ESCHER**, Dörrenberg Edelstahl GmbH, Germany  
**Gerhard HACKL**, ASMET, Austrian Society for Metallurgy and Materials, Austria  
**Frank HIPPENSTIEL**, BGH Edelstahlwerke GmbH, Germany  
**Bruno HRIBERNIK**, ASMET, Austrian Society for Metallurgy and Materials, Austria  
**Anders JARFORS**, Jönköping University, Sweden  
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**Stefan JONSSON**, Royal Institute of Technology, Sweden  
**Seshendra KARAMCHEDU**, Uddeholms AB, Sweden  
**Patrik KARLSSON**, Örebro University, Sweden  
**Jari LARKIOLA**, University of Oulu, Finland  
**Harald LEITNER**, voestalpine BÖHLER Edelstahl GmbH, Austria  
**Lars-Erik LINDGREN**, Luleå University of Technology, Sweden  
**Marion MERKLEIN**, University Erlangen-Nürnberg, Germany  
**Alberto MOLINARI**, University of Trento, Italy  
**Gert NILSON**, JERNKONTORET, The Swedish Steel Producers Association, Sweden  
**Massimo PELLIZZARI**, University of Trento, Italy  
**Pasi PEURA**, Tampere University, Finland  
**Bojan PODGORNIK**, Institute of Metals and Technology, Slovenia  
**Farhad REZAI-ARIA**, École Mines-Télécom, France  
**Mario ROSSO**, University of Turin, Italy  
**Rainer SALOMON**, FOSTA e.V., Germany  
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**Reinhold SCHNEIDER**, Upper Austria University of Applied Sciences, Austria  
**Till SCHNEIDERS**, Deutsche Edelstahlwerke GmbH, Germany  
**Chester VAN TYNE**, Colorado School of Mines, USA  
**Sebastian WEBER**, Ruhr-Universität Bochum, Germany  
**Shihong ZHANG**, Institute of Metal Research, China

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## GENERAL INFORMATION

### DATES:

April 25 - 27, 2022

### VENUE:

**Conventum Conference Center**, Olof Palmes torg 1, 702 22 Örebro, Sweden

- Located in the city center.
- Adjacent to one big hotel and within walking distance (5-7 minutes) from several other big hotels in the city center.

### BADGES:

Congress badges are mandatory for the admission & access to the meeting halls and exhibition.

### LANGUAGE:

The official language of the congress is English. There will be no translation facilities available for the congress participants.

### MOBILE PHONE:

Please keep your mobile phone turned off or in silent mode in all congress rooms.

### PHOTOGRAPHS:

The organizer ASMET will take photographs of this event. We advise that it is not allowed to take pictures by yourself.



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## IMPORTANT DATES

Abstract Submission: 1 October 2021

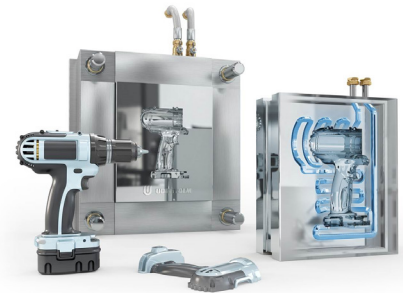
Please submit your abstract via the conference website: [www.tooling2022.org](http://www.tooling2022.org)

Notification of Acceptance: 15 October 2021

Full paper Submission: 28 January 2022

## TOPICS

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- Cold & hot working tool steels
- High speed steels
- Plastic mold steels
- Hard metals & cermets
- Steel/material design
- Tool steel development
- Microstructure, properties & performance
- Production of tool steels
- Simulations & modelling
- Additive manufacturing
- Processing, machining & polishing
- Heat treatment
- Surface engineering & coating
- Wear resistance
- Fatigue under mechanical & thermal cyclic loads
- Corrosion resistance
- Tooling applications
- Tooling contributions to e-mobility
- Digitalization in the tool steel & toolmaking industries
- Sustainable toolmaking including health aspects
- Circular economy & tooling supply chain



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## HANS BERNIS AWARD

Tooling 2022 continues to commemorate Prof. Hans Bernis, one of the founding fathers of the Tooling Conference, through the Hans Bernis 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 2022. A jury will select the awardee based on the scientific merits of this paper. The awardee will receive 1000 Euro, a prize made by additive manufacturing and a certificate.

## SUPPORTERS:



Jernkontoret



## CONFERENCE SECRETARY

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