

## Event Location



### Moravian-Silesian Innovation Centre

MSIC T-Park  
VIVA Building Technologická 376/5  
708 00 Ostrava-Pustkovec  
Czech Republic

#### About MSIC:

<https://ms-ic.cz/about-msic/>



## Registration

Scan the QR code below and register online for the free Workshop Forming and Punching.



Additional information about the event and the link to the registration form can be found here: <https://s.fhg.de/57b>

## Further information

- The lecture language is English; handouts will be available in English, Czech and German
- The event is free of charge and includes catering

## Hotel bookings

The following hotels are available for booking with the keyword „Networking“:  
[www.hotel-plafrig.cz](http://www.hotel-plafrig.cz) | [www.ostravice-golf.cz](http://www.ostravice-golf.cz)

## Registration deadline

27<sup>th</sup> March 2024 | Limited number of places

TRsystems GmbH Division Unidor

Fraunhofer IWU

Raziol Zibulla & Sohn GmbH

FIBRO GmbH

Bruderer AG

VSB - Technical University of Ostrava

# 5<sup>th</sup> WORKSHOP

## Forming and Punching

11<sup>th</sup> April 2024

VSB - Technical University  
of Ostrava

## Agenda

08:30 - 09:00

**Entrance und come together**

09:00 - 09:15

**Welcome and organizational issues**

09:15 - 09:35

**Industrial image processing with artificial intelligence**

*unidor TRsystems - Roland Bott*

09:35 - 09:55

**Lifetime-oriented design of wedge gate valves; the influence of operating conditions and maintenance**

*FIBRO GmbH - Markus Steinhilber*

09:55 - 10:15

**Tribology in focus - process optimisation as a driver of competitiveness**

*Raziol Zibulla & Sohn GmbH - Mathias Schmeier*

10:15 - 10:30

**Coffee break 1**

10:30 - 10:50

**Precision punching on high-speed presses**

*Bruderer - Slobodan Stevanovic and Werner Bähler*

10:50 - 11:10

**Development of fuel cell stacks and their optimisation in terms of production technology with long tool life**

*Fraunhofer IWU - Stefan Polster*

11:10 - 11:30

**Smart Factory of the Future**

*VSB - TU Ostrava - Prof. Dr.-Ing. Jiri Koziorek*

11:30 - 11:50

**Guide elements in toolmaking - professional selection and maintenance**

*FIBRO GmbH - Julian Ostfalk*

11:50 - 12:00

**Coffee break 2**

12:00 - 12:20

**Sustainable process stability through efficient application technology**

*Raziol Zibulla & Sohn GmbH - Sebastian Wenzel*

12:20 - 12:40

**Fuel cell production - possibilities of process monitoring in bipolar plate production in the stamping and forming process and inline processing of extremely large amounts of data**

*Fraunhofer IWU - Alexander Pierer*

12:40 - 13:00

**Potentials in the stamping and forming process through targeted process analysis to generate more profit**

*unidor TRsystems - Sascha Schäfer*

13:00 - 13:20

**Condition monitoring in industrial applications**

*VSB - TU Ostrava - Prof. Dr.-Ing. Radek Martinek*

13:20 - 15:00

**Lunch, Networking and Campustour**

**TRsystems GmbH**  
Division Unidor

UNIDOR stands for state-of-the-art technology in stamping & forming technology. Our passion is the realization of 100% availability of your machines & tools. With special sensors, high-tech monitoring devices as well as complete RETROFIT, we achieve with our customers the highest possible quality standard. With a customer-oriented sales concept and first-class service, we are present worldwide.

**Raziol Zibulla & Sohn GmbH**

Raziol Zibulla & Sohn GmbH has stood for quality in lubrication technology for over 80 years. Roller lubricators, spraying systems, lubrication control systems, dosing devices and high-performance stamping and forming lubricants are among the products developed and designed in-house. In addition, the high quality standards of Raziol Zibulla & Sohn GmbH are characterised by worldwide service and commissioning by our own employees.

**BRUDERER AG**

BRUDERER provides high-precision high-performance stamping presses with press forces from 200 to 2500 kN for stamping and forming both simple and complex parts. The company supplies businesses around the world from the automotive, electrical and electronics industries, watch manufacture, medical supplies and food packaging sectors. Their product range includes servo, roll and gripper feeds, servo axis as well as peripheral devices from reputed suppliers.

**FIBRO GmbH**

FIBRO manufactures standard parts with the highest precision and its product range is tailored to customers in the tool, mold, machine and plant construction industry. The portfolio includes column frames, guide elements, precision parts, springs and gas springs, electronic thread forming and tool slides. The wide range of products in stock and the high delivery readiness have made FIBRO a household name worldwide.

**Fraunhofer IWU**

The Fraunhofer IWU is a driving force for innovation in the field of production technology research and development. As a leading institute for resource-efficient production, our focus is on the development of efficient technologies and intelligent production systems for the manufacturing of car body and powertrain components as well as the optimization of the associated forming, machining and joining manufacturing processes.

**VSB - Technical University of Ostrava**

VSB - TUO has been connecting technical, economic, natural sciences and artistic disciplines in modern study programmes for more than 170 years responding to the real problems of the present. We carry out basic and applied research at the highest level. Thanks to tradition and cooperation with industry as well as many domestic and foreign universities in a wide range of sectors, we provide innovative solutions in a number of fields.

