



# GERMAN-POLISH WELDING SEMINAR



20. February 2024  
10:00 - 12:30



Online  
Held in English

We sincerely invite you to our workshop focusing on the latest developments in the fields of welding process simulation, additive manufacturing and thermomechanical material testing.

Discover innovative approaches and exchange experiences with experts. We look forward to your participation!



Register here for free

<https://www.b-tu.de/en/fg-fuegetechnik/news/german-polish-welding-seminar>



Brandenburg  
University of Technology  
Cottbus - Senftenberg



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MANAGEMENT



STOWARZYSZENIE INŻYNIERÓW I TECHNIKÓW  
MECHANIKÓW POLSKICH  
ODDZIAŁ W GÓRZOWIE WIELKOPOLSKIM

# PROGRAM



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## 1. Simulation (10:00 - 10:50)

### 1.1 Application of numerical simulation in the optimisation of the welding process

Janusz Piłka, Łukasiewicz – GIT Center of Welding

### 1.2 Enhancing Laser Beam Welding Quality - Simulation based Strategies to Reduce Distortion and Cold Cracking

Eric Wasilewski, BTU Cottbus-Senftenberg - Department Joining and Welding Technology

## 2. Additive Manufacturing (10:50 - 12:05)

### 2.3 Cooperation between science and industry - Design of a 3D printer for metal using an industrial robot

Karol Miądlicki, West Pomeranian University of Technology - Faculty of Mechanical Eng. And Mechatronics

### 2.1 Additive manufacturing of optimized microreactors and heat exchangers to increase energy efficiency

Kamal Miah, BTU Cottbus-Senftenberg - Department Joining and Welding Technology

### 2.2 Electron beam wire-feed additive manufacturing

Piotr Śliwiński, Łukasiewicz – GIT Center of Welding

## 3. Testing (12:05 - 12:30)

### 3.1 Research and development infrastructure of the West Pomeranian University of Technology in Szczecin for the metal industry in the development and modernization of the welded construction sector

Slawomir Krajewski, West Pomeranian University of Technology - Faculty of Mechanical Eng. And Mechatronics



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