

<b>Wednesday, 11/09/2024</b>	
Focus on <b>process</b> related topics	
Time	Talk
8.45 - 9.00	Opening
9.00 - 9.25	<b>Dr.-Ing. Toni Chezan - Tata Steel</b> From Coil to Component: A Review of the Status and Challenges of the Industrial Blanking Process for Steel Sheet Metal
9.25 - 9.50	<b>David Abedul - University of Mondragon</b> Advanced finite element simulation of punching operations incorporating loading rate-dependent constitutive and fracture models
9.50 - 10.15	<b>Dr.-Ing. Hans-Willi Raedt - prosimalys GmbH</b> Simulation of blanking, fine-blanking, bending and coining processes in an industrial context with QForm UK
10.15 - 10.40	Coffee Break
10.40 - 11.05	<b>Lukas Martinitz - TU München</b> A data-driven modeling approach in stamping and bending technology
11.05 - 11.30	<b>Jonas Neumann - FAU Erlangen-Nürnberg</b> An approach for a metamodel-based consideration of a process chain when mechanically joining sheet metal components
11.30 - 11.55	<b>Dr.-Ing. Tim Rostek - University of Paderborn</b> Data-driven modelling of multi-stage straightening and bending
11.55 - 13.30	Lunch
13.30 - 14.15	<b>Key Note</b> <b>Dr. Alper Güner - AutoForm Engineering GmbH</b> Innovative Engineering Solution in Progressive Die Design
14.15 - 14.40	<b>Otto Lampert - iLARIZ</b> Smart Manufacturing redefined: cloud-driven big data analytics and AI for automotive press shop quality
14.40 - 15.05	Coffee Break
15.05 - 15.30	<b>Peter Sterionow - LMC Europe</b> Enabling new applications, improving part properties, reducing the tool load as well as energy demand by high speed stamping
15.30 - 15.55	<b>Hendrik Wester - Leibniz Universität Hannover</b> Numerical analysis of the influence of temperature in shear cutting processes using a stress-based damage model
15.55 - 16.20	<b>Prof. Dr.-Ing. Martin Dix - Fraunhofer IWU</b> Potential of a novel force sensor for monitoring of punching and collar forming processes
16.20 - 16.45	Coffee Break
16.45 - 18.00	<b>Postersession</b>

<b>Thursday, 12/09/2024</b>	
Focus on <b>material characterization</b>	
Time	Talk
9.15 - 9.25	Opening
	<b>Prof. Dr.-Ing. Wolfram Volk - TU München</b> Chances and limitations of the thermoelectric effect for blanking
9.25 - 9.50	<b>Dr. Leopold Wagner - Voestalpine Stahl</b> Competing failure modes in hole expansion testing using different punch geometries - edge cracking versus necking
9.50 - 10.15	<b>Prof. Junhe Lian - Aalto University</b> Edge fracture of high-strength steels: from 1st to 3rd generations
10.15 - 10.40	Coffee Break
10.40 - 11.05	<b>Prof. Dr. Ir. Ton van den Boogaard - University of Twente</b> Edge ductility assessment in DP800 Steel: Insights from a novel in-plane bending test
11.05 - 11.30	<b>Prof. Dr. Jinjin Ha - University of New Hampshire</b> Identification of anisotropic yield function parameters for finite element simulation of shear dominant deformation
11.30 - 11.55	<b>Prof. Dr. Yannis Korkolis - TU Dortmund</b> Recent developments on high-speed blanking of advanced high-strength steels
11.55 - 13.30	Lunch
13.30 - 14.15	<b>Key Note</b> <b>Prof. Dr.-Ing. Thomas Bergs - RWTH Aachen</b> The Digital Coil - A data-driven approach for analysing fine blanking processes
14.15 - 14.40	<b>Coblentz Malakai - Otto Bihler Maschinenfabrik</b> Stamping and forming in the 21st century: Challenges and opportunities
14.40 - 15.05	Coffee Break
15.05 - 15.30	<b>Prof. Dr. Dirk Mohr - ETH Zürich</b> Modeling the Conversion of Plastic Work into Heat in Shear Cutting and High Speed Stamping
15.30 - 15.55	<b>Lucas Böhm - TU München</b> Springback compensation for spring steels
15.55 - 16.15	Closing Ceremony