Dienstag, 21. November 2023 Session Tag 1

Raum Nr.	Campus Forum
Uhrzeit	**Umweltneutrale Produktion**
10:15 - 10:30	**Vakulenko, Serhii** | Fraunhofer-Institut für Werkzeugmaschinen und Umformtechnik *Numerical analysis of tools for hot forming of sheet metal with consideration of mechanical and thermal process loads for structural optimisation* Serhii Vakulenko, Prof. Dr.-Ing. habil. Verena Kräusel, Prof. Dr.-Ing Martin Dix
10:35 - 10:50	**Aign, Franziska** | Technische Universität Darmstadt *T-profile-rolling of stringers with tailored thicknesses – challenges and approaches* Franziska Aign, Prof. Dr.-Ing. Dipl. Wirtsch.-Ing. Peter Groche
10:55 - 11:10	**Felinks, Nils** | Technische Universität Dortmund *Advanced Process Analysis for High Performance Tapping Technology in Aluminum Cast Alloy AlSi10Mg* Nils Felinks, Erik Krumme, Prof. Dr.-Ing. Prof. h.c. Dirk Biermann
11:15 - 11:30	**Lukas, Marco** | Leibniz Universität Hannover *Data Mining-Enabled Temperature Control for Sustainable Production in Rubber Extrusion Lines: An Artificial Neural Network-based Approach* Marco Lukas, Sebastian Leineweber, Birger Reitz, Prof. Dr.-Ing. Ludger Overmeyer, Alexander Aschemann, Dr.-Ing. Benjamin Klie, Prof. Dr. Ulrich Giese

Raum Nr.	Study Lab 1.2
Uhrzeit	**Digitalisierung als Enabler für die nachhaltige Produktion 1**
10:15 - 10:30	**Reschke, Gregor** | Technische Universität Dresden *Investigations on continuous transient dynamic analysis of clinched aluminum sheets* Gregor Reschke, Prof. Dr.-Ing. Alexander Brosius
10:35 - 10:50	**Schild, Lukas** | Technische Universität München *The role of value co-creation and top management involvement in the development of data-based services* Lukas Rafael Schild, Dr. Süleyman Sandikci, Annika Stumpp
10:55 - 11:10	**Tsagkir-Dereli, Tountzer** | Technische Universität Dormund *Sensorised Tool Holders for Monitoring the Process Forces during High-Speed Internal Grinding* Tountzer Tsagkir Dereli, Monika Kipp, Prof. Dr.-Ing. Prof. h.c. Dirk Biermann, Rainer Wunderlich
11:15 - 11:30	**Wulf, Michael** | Leibniz Universität Hannover *Clustering of learning submodels for quality prediction in a resource efficient tool grinding process* Prof. Dr.-Ing. Berend Denkena, Marcel Wichmann, Michael Wulf

Raum Nr.	Study Lab 1.5
Uhrzeit	**Digitalisierung als Enabler für die nachhaltige Produktion 2**
10:15 - 10:30	**Puchta, Alexander** |Karlsruher Institut für Technologie *Automated identification of components of feed axes* Alexander Puchta, Marvin Frisch, Prof. Dr.-Ing. Jürgen Fleischer
10:35 - 10:50	**Flehmke, Malte** | Technische Universität Hamburg *Improving Efficiency and Sustainability in Aircraft Assembly through Predictive Tool Wear Monitoring of Manual Drilling with Internal Sensors* Malte Flehmke, Sebastian Junghans, Andreas Jessen, Ganna Shchegel, Dr.-Ing Carsten Möller, Prof. Dr.-Ing. Jan Hendrik Dege
10:55 - 11:10	**Rinschede, Timo** | Technische Universität Dortmund *Development of a tool system for internal contouring of small diameters* Timo Rinschede, Moritz Fuß, Rainer Brockmann, Prof. Dr.-Ing. Prof. h.c. Dirk Biermann
11:15 - 11:30	**Zhang, Hanwen** | RWTH Aachen (WZL) *Cross-Process Chain Analysis on Gear Quality and Sustainability* Hanwen Zhang, Gonsalves Grünert, Dr.-Ing. Mareike Solf, Dr.-Ing. Jens Brimmers, Dr.-Ing. Sebastian Barth, Prof. Dr.-Ing. Thomas Bergs

Raum Nr.	Study Lab 1.8
Uhrzeit	**Produktionstechnologien für die Kreislaufwirtschaft**
10:15 - 10:30	**Ihne, Thorsten** | Friedrich-Alexander-Universität Erlangen-Nürnberg *Approach for advanced mechanical recycling strategies of rare earth magnets applied in traction drives* Thorsten Ihne, Roman Hahn, Nico Wieprecht, Prof. Dr.-Ing. Jörg Franke, Dr.-Ing. Alexander Kühl
10:35 - 10:50	**Ludwig, Jonas** | Technische Universität Berlin *Characterisation and investigation of the mechanical material properties of recycled glass-fibre reinforced polymers for sustainable reusability* Jonas Ludwig, Toni Hocke, Dr.-Ing. Mitchel Polte, Prof. Dr. h. c. Dr.-Ing. Eckart Uhlmann
10:55 - 11:10	**Hansjosten, Malte** | Karlsruher Institut für Technologie *Disassembly graph generation and sequence planning based on 3D models for the disassembly of electric motors* Malte Hansjosten, Prof. Dr.-Ing. Jürgen Fleischer
11:15 - 11:30	**Ruschitzka, Christina** | RWTH Aachen (WZL) *Structuring Ecological Indicators in Machinery and Plant Engineering for Product Development*

Christina Ruschitzka, Svea Reimann, Dr.-Ing. Maximilian Kuhn, Dr.-Ing. Michael Riesner, Prof. Dr. Stephen Chih-Yang Lu, Prof. Dr.-Ing. Günther Schuh

Raum Nr.	**Campus Forum**
Uhrzeit	**Digitalisierung als Enabler für die nachhaltige Produktion 1**
12:45 - 13:00	**Ahmed, Usama** | Technische Universität Dresden *Efficient Process Monitoring in Clinching: Development of a Fast Predictor-Corrector Model for Clinch Analysis* Usama Ahmed, Prof. Dr.-Ing. Alexander Brosius
13:05 - 13:20	**Loba, Matthäus** | RWTH Aachen (WZL) *Data-Based Model Parametrization of Quality Predictive Material Removal Simulations* Matthäus Loba, Prof. Dr.-Ing. Christian Brecher, Dr.-Ing. Marcel Fey
13:25 - 13:40	**Süß, Sandro** | Technische Universität Braunschweig *Framework for Industrial Cyber-Physical System of Systems and Application towards an Effective Treatment of End-of-Life Products* Sandro Süß, Dr.-Ing. Mark Mennenga
13: 45 - 14:00	**Bances, Enrique** | Universität Stuttgart *Collaborative Tasks in Construction: A Model for Human-Exoskeleton Interaction to Minimize Muscle Exertion* Enrique Bances P., Dr. med. Urs Schneider, Braulio Garcia A., Prof. Onorific Dipl.-Ing Jörg Siegert, Prof. Dr.-Ing. Thomas Bauernhansl

Raum Nr.	**Study Lab 1.2**
Uhrzeit	**Umweltneutrale Produktion**
12:45 - 13:00	**Wolf, Alexander** | Technische Universität Dresden *Macro-structured deep drawing of steel alloys - Influenceability on thinning and drawing forces* Alexander Wolf, Marc Tulke, Prof. Dr.-Ing. Alexander Brosius
13:05 - 13:20	**Duntschew, Jonas** | Universität Stuttgart *Investigation of the high dynamic wood processing regarding tool imbalance and surface-quality* Jonas Duntschew, Dr. Thomas Stehle, Prof. Dr.-Ing. Hans-Christian Möhring
13:25 - 13:40	**Kraus, Stefan Oliver** | Technische Universität Darmstadt *Production of fine-grained Ti-6Al-4V ELI for medical implants using Equal-Channel-Angular-Swaging* Stefan Oliver Kraus, Lukas Kluy, Prof. Dr.-Ing. Dipl. Wirtsch.-Ing. Peter Groche
13: 45 - 14:00	**Mohnfeld, Norman** | Leibniz Universität Hannover *Numerical modelling of transformation-induced plasticity in hot forging simulations*

Norman Mohnfeld, Dr.-Ing. Johanna Uhe, Hendrik Wester, Christoph Kock, Prof. Dr.-Ing. Bernd-Arno Behrens

Raum Nr.	**Study Lab 1.5**
Uhrzeit	**Produktionstechnologien für die Kreislaufwirtschaft**
12:45 - 13:00	**Ockel, Manuela** | Friedrich-Alexander-Universität Erlangen-Nürnberg *Evaluation of a Plasma Powder Copper Coating Process for the Metallization of Semiconductors through Life Cycle Assessment* Manuela Ockel, Felix Funk, Lucas Janisch, Prof. Dr.-Ing. Jörg Franke
13:05 - 13:20	**Evers, Lasse** | Technische Universität Hamburg *Characterization of the Surface Error during Peripheral Milling of Thin-Walled, Additively Manufactured Structures* Lasse Evers, Melchior Blühm, Sebastian Junghans, Dr.-Ing Carsten Möller, Prof. Dr.-Ing. Jan Hendrik Dege
13:25 - 13:40	**Perau, Stefan** | RWTH Aachen (WZL) *Artefacts for the Implementation of Continuous Innovation for Technical Products* Stefan Perau, Philipp Rixen, Dr.-Ing. Michael Riesner, Dr.-Ing. Maximilian Kuhn, Prof. Dr.-Ing. Günther Schuh
13: 45 - 14:00	**Weiss, Manuel** | Universität Stuttgart *Software-Defined Control Cabinet - Reprogramming instead of Replacing* Florian Frick, Manuel Weiss, Dr.-Ing. Armin Lechler

Raum Nr.	**Study Lab 1.8**
Uhrzeit	**Digitalisierung als Enabler für die nachhaltige Produktion 2**
12:45 - 13:00	**Gast, Fabian** | Technische Universität Darmstadt *Modeling of an edge computing cluster for optimzied distribution of tasks in production environments* Benjamin Brockhaus, Fabian Gast, Prof. Dr.-Ing. Matthias Weigold
13:05 - 13:20	**Gümbel, Philip** | Technische Universität Braunschweig *Systematic Investigation of Influences on the Repeatability of Vertically Articulated Robot Arms* Philip Gümbel, Prof. Dr.-Ing. Klaus Dröder
13:25 - 13:40	**Scholz, Johannes** | Karlsruher Institut für Technologie *Systematic Lightweight Design of Production Equipment with a Digital Toolchain* Johannes Scholz, Simon Zeidler, Florian Kössler, Prof. Dr.-Ing. Jürgen Fleischer
13: 45 - 14:00	**Hertwig, Michael** | Universität Stuttgart *Modular Digital Production Twin as Enabler for Sustainable Value Creation – the Case of Urban Environments*

Michael Hertwig, Andreas Werner, Nikolas Zimmermann, Prof. Dr. rer. oec. habil. Katharina Hölzle

Mittwoch, 22. November 2023 Session Tag 2

Raum Nr.	Campus Forum
Uhrzeit	**Resiliente Wertschöpfungssysteme**
08:45 - 09:00	**Janssen, Benedict** | RWTH Aachen (WZL) *Enhancing the Resilience of Global Production Networks against Unpredictable Disruptions: A Systematic Literature Review* Benedict Janssen, Martin Welsing, Dr.-Ing. Seth Schmitz, Prof. Dr.-Ing. Günther Schuh
09:05 - 09:20	**Kuhn, Calvin** | RWTH Aachen (WZL) *Risk management in production planning: A systematic literature review* Calvin Kuhn, Parin Shah, Judith Fulterer, Dr.-Ing. Seth Schmitz, Prof. Dr.-Ing. Günther
09:25 - 09:40	**Dietrich, David** | Universität Stuttgart *Software-defined Value Networks: Motivation, Approaches, and Research Activities* David Dietrich, Manuel Zürn, Colin Reiff, Michael Neubauer, Dr.-Ing. Armin Lechler, Prof. Dr.-Ing. Alexander Verl
09:45 - 10:00	**Kienzlen, Annika** | Universität Stuttgart *A Signal-based Approach to Switching Between Micro and Macro Material Flow Models for Production Systems* Annika Kienzlen. Prof. Dr.-Ing. Alexander Verl

Raum Nr.	Study Lab 1.2
Uhrzeit	**Produktionstechnologien für die Kreislaufwirtschaft**
08:45 - 09:00	**Mariscal-Melgar, J.C.** | Helmut-Schmidt-Universität Hamburg *Sustainable Computing through Open Standard ISAs: Leveraging Tailor-Fit Hardware Designs for Circular Economies* Jorge Cesar Mariscal Melgar, Dr.-Ing. Manuel Moritz, Dr.-Ing. Tobias Redlich, Prof. Dr.-Ing. Jens P. Wulfsberg
09:05 - 09:20	**Boßmann, Carsten** | RWTH Aachen (WZL) *Planning of Hybrid Portfolios for Industrial Solution Providers in Machinery Engineering* Carsten Boßmann, Dr.-Ing. Maximilian Kuhn, Dr.-Ing. Michael Riesner, Prof. Dr.-Ing. Günther Schuh
09:25 - 09:40	**Ruschitzka, Christina** | RWTH Aachen (WZL) *Ecology Analysis of Machines and Plants during Product Development* Christina Ruschitzka, Dr.-Ing. Maximilian Kuhn, Dr.-Ing. Michael Riesner, Prof. Dr.-Ing. Günther Schuh
09:45 - 10:00	**Geiser, Alexander** | Karlsruher Institut für Technologie *Concept for process parameter-based inline quality control as a basis for pairing in a production line* Alexander Geiser, Dr.-Ing. Florian Stamer, Prof. Dr.-Ing. Gisela Lanza

Raum Nr.	Study Lab 1.5
Uhrzeit	**Digitalisierung als Enabler für die nachhaltige Produktion**
08:45 - 09:00	**Knott, Marius (Schmelter, Tobias)** | Ruhr-Universität Bochum *Evaluating CAD Usage to Generate Synthetic Images for Machine Learning-based Object Detection* Tobias Schmelter, Tom Nowak, Marius Knott, Prof. Dr. Bernd Kuhlenkötter
09:05 - 09:20	**Tchasse, Papdo** | Universität Stuttgart *Detection of defective deep drawn sheet metal parts by using machine learning methods for image classification* Papdo Tchasse, Adrian Schenek, Dr.-Ing. Kim Rouven Riedmüller, Prof. Dr.-Ing. Dr. h. c. Matthias Liewald
09:25 - 09:40	**Gelbich, Daria** | RWTH Aachen (WZL) *Feature-Based Analysis of Acoustic Emission Signals for Wear Monitoring in Centerless Through-Feed Grinding* Daria Gelbich, Peter Breuer, Hou Zeng Man, Marco Becker, Dr.-Ing. Sebastian Barth, Philipp Niemietz, Prof. Dr. Thomas Bergs
09:45 - 10:00	**Stucki, Martin** | Leibniz Universität Hannover *Challenges in Establishing and Measuring Performance Criteria of Industrial Robots – Accuracy and Repeatability* Martin Stucki, Lars Binnemann, Niklas Terei, Rolf Wiemann, Prof. Dr.-Ing. Annika Raatz

Raum Nr.	Study Lab 1.8
Uhrzeit	**Umweltneutrale Produktion**
08:45 - 09:00	**Girkes, Florian** | Technische Universität Ilmenau *An integrated approach to developing modular product families in the engineer-to-order sector* Florian Girkes, Maximilian Günther, Carolin Rüger, Univ.-Prof. Dr.-Ing. habil. Jean Pierre Bergmann
09:05 - 09:20	**Siring, Janina** | Leibniz Universität Hannover *Characterisation and qualification of hot working tool steels and Inconel for the production of a hybrid forging die* Janina Siring, Michael Till, Hendrik Wester, Dr.-Ing. Johanna Uhe, Dr.-Ing. Kai Brunotte
09:25 - 09:40	**Brunk, Cédric** | Technische Universität Darmstadt *Influence of process parameters on the product quality in active media-based forming of paper* Cédrik Brunk, Prof. Dr.-Ing. Dipl. Wirtsch.-Ing. Peter Groche
09:45 - 10:00	**Laeger, René** | Leibniz Universität Hannover *Reduction of Thermally Induced Wear on a Forging Tool by Heatpipes* René Laeger, Julius Peddinghaus, Daniel Rosenbusch, Prof. Dr.-Ing. Bernd-Arno Behrens

Raum Nr.	Campus Forum
Uhrzeit	**Produktionstechnologien für die Kreislaufwirtschaft**
10:30 - 10:45	**Wigger, Marius** | Universität Siegen *Towards a Sustainable Industrial Society – Critical Capabilities for the Transformation to a Circular Economy in Manufacturing Companies* Prof. Dr.-Ing. Peter Burggräf, Fabian Steinberg, Alexander Becher, René Sauer, Marius Wigger
10:50 - 11:05	**Heiser, Annemarie** | RWTH Aachen (WZL) *Investigation of the influence of static recrystallization on void evolution after hot compression forming* Annemarie Heiser, Jannik Gerlach, Dr.-Ing. David Bailly, Prof. Dr.-Ing. Gerhard Hirt
11:10 - 11:25	**Vasquez Ramirez, Dominyka** | Leibniz Universität Hannover *Analysis of Semi-Hot Forming Behaviour of AA7075 Sheet Metal* Dominyka Vasquez Ramirez, Hendrik Wester, Daniel Rosenbusch, Prof. Dr.-Ing. Bernd-Arno Behrens
11:30 - 11:45	**Tschöpel, Julius** | Technische Universität Berlin *Development of a damped toolholder for vibration- assisted high-precision milling using high damping metals* Julius Tschöpel, Toni Hocke, Dr.-Ing. Mitchel Polte, Bernfried Fleiner, Clemens Dicke, Prof. Dr. h. c. Dr.-Ing. Eckart Uhlmann

Raum Nr.	Study Lab 1.2
Uhrzeit	**Umweltneutrale Produktion**
10:30 - 10:45	**Alba, Diego** | Universität Stuttgart *Studies on manufacturing polymer-metal hybrid components through integrated bulk forming* Diego R. Alba, Philip Reitinger, Calvin Ebert, Prof. Dr.-Ing. Christian Bonten, Prof. Dr.-Ing. Dr. h. c. Matthias Liewald
10:50 - 11:05	**Erler, Martin** | Technische Universität Dresden *Automated Determination of Suitable Finishing Operation Types for Milling of Surfaces* Martin Erler, Prof. Dr.-Ing. Alexander Brosius
11:10 - 11:25	**Wild, Thomas** | Friedrich-Alexander-Universität Erlangen-Nürnberg *Investigation of the influence of slightly increased process temperatures on the extrusion of functional aluminum components in sheet-bulk metal forming* Thomas Wild, Prof. Dr.-Ing. habil. Marion Merklein
11:30 - 11:45	**Wehmeyer, Jörn** | Leibniz Universität Hannover *Investigation of the process limits for hybrid parts made of fiber-reinforced thermoplastics and metallic sheets produced with a two-stage isothermal forming and consolidating tool* Jörn Wehmeyer, Timo Fünfkirchler, Sven Hübner, Prof. Dr.-Ing. Bernd-Arno Behrens, Christoph Schuhmann, Prof. Dr.-Ing. Annika Raatz

Raum Nr.	Study Lab 1.5
Uhrzeit	**Digitalisierung als Enabler für die nachhaltige Produktion**
10:30 - 10:45	**Gutsche, Daniel** | Universität Stuttgart *Cross-Machine Comparison of the Usability of Internal Machine Control Data for Process Monitoring in Machining Applications* Daniel Gutsche, Tim Reeber, Patrick Georgi, Prof. Dr.-Ing. Hans-Christian Möhring
10:50 - 11:05	**Karch, Sabrina** | Otto-v.- Guericke Imoversität Magdeburg *Conceptional Framework to Reduce Misinformation in Production System Engineering* Sabrina Karch, Dr. Anton Strahilov, Prof. Dr.-Ing. habil. Arndt Lüder
11:10 - 11:25	**Wächter, Andreas** | Technische Universität Darmstadt *Peak Shaving in a common DC-Grid by Synchronization of High-Load Machine Operations* Andreas Wächter, Magnus von Elling, Daniel Fuhrländer-Völker, Stefan Schmitt, Prof. Dr.-Ing. Matthias Weigold

Raum Nr.	Study Lab 1.8
Uhrzeit	**Umweltneutrale Produktion**
10:30 - 10:45	**Piekarek, Susanne** | Karlsruher Intitut für Technologie *Framework for reinforcement learning production control for one-piece flow modular concrete structure production with incomplete information* Susanne Piekarek, Alex Maximilian Frey, Marvin Carl May, Prof. Dr.-Ing. Gisela Lanza
10:50 - 11:05	**Jaquemod, André** | Universität Stuttgart *Influence of Minimum Quantity Lubrication on Tool Temperature and Wear in Wood Machining* André Jaquemod, Kamil Güzel, Prof. Dr.-Ing. Hans-Christian Möhring
11:10 - 11:25	**Fünfkirchler, Timo** | Leibniz Universität Hannover *Effects of modifying a hot stamping process of 22MnB5 thick sheets in terms of fatigue strength* Timo Fünfkirchler, Mats Jensen, Sven Hübner, Dr.-Ing. Rainer Masendorf, Prof. Dr.-Ing. Alfons Esderts, Prof. Dr.-Ing. Bernd-Arno Behrens
11:30 - 11:45	**Ulff, Nico** | Karlsruher Institut für Technologie *Potential of scanning-strategy adaptations for producing homogenous microlattices by PBF-LB* Nico Ulff, Johannes Schubert, Prof. Dr.-Ing. Frederik Zanger

Raum Nr.	Campus Forum
Uhrzeit	**Digitalisierung als Enabler für die nachhaltige Produktion 1**
13:00 - 13:15	**Bilen, Ali** | Karlsruher Institut für Technolgie *A Quality Data Model based on Asset Administration Shell Technology to enable Autonomous Quality Control Loops* Ali Bilen, Dr.-Ing. Florian Stamer, Sebastian Behrendt, Prof. Dr.-Ing. Gisela Lanza
13:20 - 13:35	**Krampe, Michael** | Ruhr-Bochum Universität *Analysis of the influence of the exit geometry and nozzle orientation on the strand quality when depositing curves and layers in the FLM process* Michael Krampe, Prof. Dr.-Ing. Bern Kuhlenkötter
13:40 - 13:55	**von Elling, Magnus** | Technische Universität Darmstadt *Model-Based Spindle Bearing Monitoring Using Vibration Sensors and Artificial Neural Networks* Magnus von Elling, Markus Weber, Viktor Berchtenbreiter, Prof. Dr.-Ing. Matthias Weigold

Raum Nr.	Study Lab 1.2
Uhrzeit	**Umweltneutrale Produktion**
13:00 - 13:15	**Barth, Martin (Gutwald, Benjamin)** | Friedrich-Alexander-Universität Erlangen-Nürnberg *Power Forecast of Photovoltaic Systems-An Approach for improving Energy Management of DC-supplied Production Plants* Benjamin Gutwald, Martin Barth, Oliver Mönius, Bernd Zeilmann, Prof. Dr.-Ing. Jörg Franke
13:20 - 13:35	**Henschel, Sebastian** | Karlsruher Institut für Technologie *Material Flow of an Agile Battery Cell Production System Based on Diffusion-Tight Transport Boxes and Driverless Transport Systems* Sebastian Henschel, Florian Kößler, Prof. Dr.-Ing. Jürgen Fleischer
13:40 - 13:55	**Herrmann, Peter** | RWTH Aachen (WZL) *Effect of Wetting Behavior of Shot Peened Surfaces on the Tribological System during Cup Backward Extrusion of Aluminum Alloy EN AW 6082* Niklas Schwark, Peter Herrmann, Martina Müller, Dr.-Ing. Tim Herrig, Prof. Dr.-Ing. Thomas Bergs

Raum Nr.	Study Lab 1.5
Uhrzeit	**Digitalisierung als Enabler für die nachhaltige Produktion 2**
13:00 - 13:15	**Walker, Moritz** | Universität Stuttgart Towards a Domain Specific Language for the Development of Distributed Real-Time Systems Moritz Walker, Marc Fischer, Michael Neubauer, Dr.-Ing. Armin Lechler, Prof. Dr.-Ing. Verl
13:20 - 13:35	**Kirik, Oguzhan (Hinzmann, Daniel)** | Technische Universität Berlin *Interaction of Artificial Intelligence and Machining Processes regarding Industry 4.0 Production Systems* Prof. Dr. h. c. Dr.-Ing. Eckart Uhlmann, Prof. Dr.-Ing. Jörg Krüger, Prof. Dr. rer. nat. Volker Markl, Prof. Dr.-Ing. Dirk Oberschmidt, Prof. Dr.-Ing. Matthias Rötting, Daniel Hinzmann, Dominik Hasselder, Sergio Lezema, Oguzhan Kirik, Varun Pandey, Eugenia Bosler,

Raum Nr.	Study Lab 1.8
Uhrzeit	**Produktionstechnologien für die Kreislaufwirtschaft**
13:00 - 13:15	**Böhm, Jonathan** | Universität Stuttgart *Study on Scrap Reduction in Cold Forging during Ramp-up Phases through Actuator Control* Jonathan Böhm, Prof. Dr.-Ing. Dr. h. c. Matthias Liewald, Philipp Clauß
13:20 - 13:35	**Schaper, Florian (Matthies, Jonas)** | Leibniz Universität Hannover *Energy reduction in powder atomization by novel production process for recycled titanium electrodes* Prof. Dr.-Ing. Berend Denkena, Dr.-Ing. Benjamin Bergmann, Jonas Matthies
13:40 - 13:55	**Wagner, Marcel** | Technische Universität Kaiserslautern-Landau *Hybrid Models for Waste Reduction and Sustainable Manufacturing: A Comparative Study of Stoneware Tile Polishing* Marcel Wagner, Fábio J.P. Sousa, Max Werrel, Moritz Glatt, Prof. Dr.-Ing. Jan C. Aurich