

Thursday, 19/09/2019		
time Thursday	Room 1	Room 2
9:00 - 9:30	Opening: Prof. Dr.-Ing. Wolfram Volk, TUM	
09:30 - 10:00	Dr. Tom Stoughton	
10:00 - 10:25	Simulation and experiments to evaluate edge fracture using the double bending test D. Diaz-Infante, B. Aykas, A. Narayanan and T. Altan	Failure criterion for sheet metal forming simulations with 3D-solid technology L. Hornung
10:25 - 10:50	Innovative tool for material model assessment and improvement M. Eder, M. Gruber and W. Volk	Simulation based spotting and surface calibration of forming tools P. Craighero, P. Hippchen, R. Haugg and T. Weingart
10:50 - 11:05	Coffee Break	
11:05 - 11:30	Variational methods in comparison to digital image correlation for full field deformation analysis under variable conditions C. Hartmann and W. Volk	Validation of material models for TWIP-steel M. Gössling, M. Domogala and T. Thülig
11:30 - 11:55	Tensile testing for accurate yield locus parameters for advanced high strength steels T. Chezan, M. Abspoel, E. Atzema and M. Sigvant	Multiscale simulation of dual phase steels by means of statistically similar RVEs D. Brands, L. Scheunemann and J. Schröder
11:55 - 12:20	Advanced FE-Simulation of press-hardening regarding joining ability and tool hardness estimation E. Stockburger, F. Müller, A. Chugreev and B.-A. Behrens	Analysis of strain-path change indicator for application in sheet-bulk metal forming F. Gutknecht and T. Clausmeyer
12:20 - 13:30	Lunch	
13:30 - 13:55	Application of the in-plane torsion test in an industrial environment - recent advances and remaining challenges L. Wagner, T. Gross, P. G. Gruber, M. Grillenberger and M. Schagerl	Visco-plastic modeling of mechanical responses and texture evolution in cold pilgering ZR-4 alloy under uniaxial loading conditions S. Deng, H. Song, H. Liu and S. Zhang
13:55 - 14:20	Investigation of a bending corrected forming limit surface for failure prediction in sheet metals A. Barlo, N. Manopulo, M. Sigvant, B. Endelt and K. Trana	Design and application of an in-plane, pure bending test E. S. Perdahcioglu, S. Naseem, M. Masoumi Khalilabad, A. H. van den Boogaard
14:20 - 14:45	Optimized prediction of strain distribution with crystal plasticity supported definition of yielding direction H. Hippke, S. Hirsinger, F. Rudow, B. Berisha and P. Hora	3D-Shell models combined with 3D-yield functions for sheet metal forming simulations M. Bischoff, T. Willmann, A. Wessel and A. Butz
14:45 - 15:15	Coffee Break	
15:15 - 15:40	An investigation of machine learning capabilities to identify constitutive parameters in yield curves D. Koch and A. Haufe	
15:40 - 16:05	Large strain flow curve identification for sheet metal: Process-informed method selection S. Coppieters, M. Jäckel, N. Miyake, C. Kraus, H. Traphöner, T. Kuwabara and E.A. Tekkaya	
16:05 - 16:30	Results of the Round Robin questionnaire J. Mendiguren	
16:45 - 17:45	Poster Session	
19:00 - 22:00	Conference Dinner at Lake Ammersee	

Friday, 20/9/2019	
time Friday	Room 1
08:30 - 09:00	Prof. Fusahito Yoshida, CEM Insitute Corporation
09:00 - 09:30	Prof. Brad Kinsey, University of New Hampshire
09:30 - 10:00	Dr. Mats Sigvant, Volvo Cars
10:00 - 10:30	Coffee Break
10:30 - 11:00	Prof. Pavel Hora, ETH Zurich
11:00 - 11:30	Prof. Jeong W. Yoon, Daekin University
11:30 - 12:00	Dr. Niko Manopulo, AutoForm GmbH
12:00 - 13:30	Lunch
13:30 - 14:00	Prof. Dorel Banbabic, Technical University from Cluj-Napoca
14:00 - 14:30	Dr. Michael Machhammer, AP&T
14:30 - 15:00	Prof. Erman A. Tekkaya, TU Dortmund
15:00 - 15:30	Coffee Break
15:30 - 16:00	Prof. Michael Worswick, University of Waterloo
16:00 - 16:30	Prof. Junying Min, Tongji University
16:30 - 17:00	Closing: Prof. Dr.-Ing. Wolfram Volk, TUM