

Keynote Papers

Life-Cycle Engineering and Assembly (A)

Life Cycle Engineering of Lightweight Structures

Christoph Herrmann (2), Wim Dewulf (2), Michael Hauschild (1), Alexander Kaluza, Sami Kara (1), Steve Skerlos

Cutting (C)

Deep Hole Drilling

D. Biermann (1), F. Bleicher (2), U. Heisel (1), F. Klocke (1), H.C. Möhring (2), A. Shih (2)

Design (Dn)

Tolerancing : managing uncertainty from conceptual design to final product

Edward Morse (3), Jean-Yves Dantan (2), Nabil Anwer (2), Rikard Söderberg (2), Giovanni Moroni (2), Ahmed Qureshi, Xiangqian Jiang (1), Luc Mathieu (1)

Electro-Physical & Chemical Processes (E)

Advances in Macro-Scale Laser Processing

Michael Schmidt (2), Michael Zaeh (2), Lin Li (1), Joost Duflou (1), Ludger Overmeyer (2), Frank Vollertsen (1)

Forming (F)

Flexibility in Metal Forming

D.Y. Yang (1), M. Bambach, J. Cao (1), J.R. Duflou (1), P. Groche (1), T. Kuboki (2), A. Sterzing, A.E. Tekkaya (1), C.W. Lee

Abrasive Process (G)

Fixed Abrasive Machining of Non-Metallic Materials

Albert J. Shih (2), Berend Denkena (1), Thilo Grove, David Curry, Hong Hocheng, Hung-Yin Tsai, Hitoshi Ohmori (1), Kazutoshi Katahira (2), Z.J. Pei

Production Systems and Organizations (O)

Value Creation in Production: Reconsideration from Interdisciplinary Approaches

Toshiya Kaihara (2), Nariaki Nishino (2), Kanji Ueda† (1), Mitchell Tseng (1), Jozsef Vancza (1), Paul Schoensleben (2), Roberto Teti (1), Takeshi Takenaka

Precision Engineering & Metrology (P)

Modelling and Traceability for Computationally-Intensive Precision Engineering and Metrology

J.-M. Linares (1), G. Goch (1), A. Forbes, J.-M. Sprauel, A. Clement (1), F. Haertig, W. Gao (1)

Surfaces (S)

Multiscale Analyses and Characterizations of Surface Topographies

Christopher A. Brown, Hans N. Hansen (1), Xiang Jane Jiang (1), François Blateyron (3), Johan Berglund (3), Nicola Senin, Tomasz Bartkowiak, Barnali Dixon, Gaëtan Le Goïc, Yann Quinsat, W. James Stemp, Mary Kathryn Thompson (3), Peter S. Ungar, E. Hassan Zahouani

Cross-STCs

Composite Materials Parts Manufacturing

J. Fleischer (1), Roberto Teti (1), Gisela Lanza (2), Paul Tarisai Mativenga (2), Hans-Christian Moehring (2), Alessandra Caggiano

Bio-Inspired Textures for Functional Applications

Ajay P. Malshe (1), Salil Bapat, K.P. Rajurkar (1), H. Haitjema (2)