

Agenda November 27th 2019

Welcoming Speech (Auditorium)

- 09:00 a.m. Introduction Speech for the Machining Innovations Conference 2019
Prof. Dr.-Ing. Berend Denkena, Leibniz Universität Hannover and Member of the Board of the Manufacturing Innovations Network e.V.
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Keynote Speeches (Auditorium)

- 09:15 a.m. Tbd.
Ph.D. Rachid M' Saoubi, R&D Expert in Machining Technology, Seco Tools AB
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- 09:50 a.m. Key success factors in manufacturing critical aerospace components
Kenneth Sundberg, Managing Director After Market Sales, WFL Millturn Technologies GmbH & Co.KG
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- 10:25 a.m. Coffee break
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Sessions 1: 11:00 a.m. – 04:30 p.m. New Technologies in Machining

- 11:00 a.m. Evolutionary machining technology for aerospace components – providing improved performance & availability
Ueno Hiroshi, General Manager of Aerospace, Makino Milling Machine Co., Ltd.
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- 11:30 a.m. Aerostructure machining at GKN Aerospace
Tim Hope, Technology Manager Metallics, GKN Aerospace Services Limited
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- 12:00 p.m. Outperforming LOGIQ
Gidi Drori, Business Development Manager, Iscar Ltd.
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- 12:30 p.m. Lunch Break and Technology Demonstration in the IFW Laboratory
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- 02:30 p.m. Super hard material tools for hard-to-cut materials
Yusuke Matsuda, Research and Development Manager, Sumitomo Corporation
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- 03:00 p.m. Ceramics in aerospace manufacturing – materials and applications
Johannes Schneider, Senior Product Manager Cutting Tools, CeramTec GmbH
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- 03:30 p.m. Coffee Break
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- 04:00 p.m. Metal recycling for the aircraft industry
Martin Geisler, Process Manager Operations & Technics, Cronimet Ferroleg. GmbH
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Keynote Speech (Auditorium)

- 04:30 p.m. Automation and digitalization at MTU Aero Engines AG
Lars Wagner, Chief Operating Officer, MTU Aero Engines AG
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- 07:30 p.m. Evening Gala
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Sessions 2: 11:00 a.m. – 04:30 p.m.
Scientific Presentations with Topics of the Session 1

11:00 a.m. Investigation of the machinability of novel iron aluminides
Maximilian Wagner, Technische Universität Darmstadt

11:30 a.m. FEM based evaluation of Ti6Al4V cutting with plain and textured WC/Co tools under cryogenic cooling environment
Sarvesh Mishra, Indian Institute of Technology in Dheli

12:00 a.m. Increasing productivity in heavy machining using porcupine milling cutters with a novel flank geometry
Oliver Pape, Leibniz Universität Hannover

12:30 p.m. **Lunch Break and Technology Demonstration in the IFW Laboratory**

02:30 p.m. ECM roughing of profiled grooves in nickel-based alloys for turbomachinery applications
Gregor Smeets, RWTH Aachen

03:00 p.m. Arc-based powder production of AlSi7Mg06
Simone Dietrich, IGCV Fraunhofer

03:30 p.m. **Coffee Break**

04:00 p.m. Vibration suppression in turning Ti6Al4V using additively manufactured tool holders with specially structured hollow elements
Florian Vogel, Technische Universität Dortmund

04:30 p.m. Stabilization of metal structure formation in directed energy deposition by applying a coolant system
Ryo Koike, Keio University
