

# Agenda November 27<sup>th</sup> 2019

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## 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. Recent development in surface integrity assessment of difficult-to-machine aerospace alloys  
*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

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- 11:00 a.m. Evolutionary machining technology for aerostructures & engine components – providing improved performance & availability  
*Hiroshi Ueno, 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

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11:00 a.m. Influence of tool variables on wear when milling iron aluminide alloy Fe<sub>25</sub>Al<sub>1.5</sub>Ta [at.-%]  
*Maximilian Wagner, Technische Universität Darmstadt*

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11:30 a.m. FEM based evaluation of Ti<sub>6</sub>Al<sub>4</sub>V cutting with plain and textured WC/Co tools under cryogenic cooling environment  
*Sarvesh Mishra, Indian Institute of Technology Delhi*

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

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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. ECM roughing of profiled grooves in nickel-based alloys for turbomachinery applications  
*Gregor Smeets, RWTH Aachen*

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03:00 p.m. Arc-based powder production of AlSi<sub>7</sub>Mg<sub>0.6</sub>  
*Simone Dietrich, Fraunhofer IGCV*

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03:30 p.m. Coffee Break

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04:00 p.m. Vibration Suppression in Turning TiAl<sub>6</sub>V<sub>4</sub> Using Additively Manufactured Tool Holders with Specially Structured, Particle Filled Hollow Elements  
*Florian Vogel, Technische Universität Dortmund*

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