

Curriculum Vitae and Short List of Publications

Haas, Franz; Univ.-Prof. Dipl.-Ing. Dr.techn.
Graz University of Technology / Institute of Production Engineering
Kopernikusgasse 24/I; 8010 Graz; Austria

Education, Employment, Functions		
From (year)	to (year)	
Education:		
2004	2008	Academic didactics; UAS Campus 02, Graz, Austria
1992	1996	Doctoral research study, Graz University of Technology, Austria Dissertation: Development of a new measurement device for automated acceptance testing of CNC machine tools
1986	1991	Diploma study, Mechanical Engineering and Economic Sciences, Graz University of Technology Diploma thesis: Automation of a CVS-System for commercial vehicles
1981	1986	Higher technical educational institution, Mechanical engineering, Graz, Austria
Employment / Functions:		
Since 2017		President of the "Austrian Scientific Association for Production Technology", "Ö-WGP Österreichische Wissenschaftliche Gesellschaft für Produktionstechnik"
Since 2016		Deputy Head in the Field of Expertise at Graz University of Technology, Austria: Mobility and Production
Since 2013		Head of the Institute of Production Engineering at Graz University of Technology, Austria
2010	2013	Member of UAS Council (Campus 02)
2007	2013	Professional lecturer and head of department of Mechanical Engineering, UAS Campus 02, Degree Programme Automation Technology, Graz, Austria
Since 1996		General manager and owner, Franz Haas GmbH, Mechanical Engineering, Stainz, Austria
2010	2013	Lecturer at the Didactics Institute, UAS Campus 02, Graz, Austria
1997	2007	Extra-professional lecturer, UAS Campus 02, Graz, Austria
2005	2007	Extra-professional lecturer, UAS Joanneum, Degree Programme, Graz, Austria
1992	1996	University Assistant, Graz University of Technology, Institute of Production Engineering, Graz, Austria

Research (main areas)
Precision Engineering (New grinding technologies)
Machine Tool Construction (Flexible Production Systems)
Additive Manufacturing (New principles and machines)
Robotics, Mechatronic systems

Projects (Representative Examples)
AGriPro - Adaptive Grinding Process, International research project CORNET II
CHIP - Competence via Temperature Measurement for High Intelligent Production, FFG
Pilot factory smartfactory@tugraz, FFG
Machinability of tempered steels with different metallurgic characteristics, industry
Factory Planning for E-Mobility (ELI-platform), industry
Honours and Awards
University Research Award of the Industry 2012
Poster Award, 3rd Price, 6 Research Forum of the Austrian Universities of Applied Sciences, FFH 2012, New torque sensor as a key component for intelligent production, 2012
Poster Award, 1st Price, 4 Research Forum of the Austrian Universities of Applied Sciences FFH 2010, Analysis and monitoring of cutting processes, 2010
Holzer Price Graz University of Technology, New instrument for rapid automated acceptance testing of CNC machines, 1997
Relevant Publications (last five years);
Steffan M., Haas F., Pierer A., Gentzen J., "Adaptive Grinding Process - Prevention of Thermal Damage Using OPC-UA Technique and In Situ Metrology" in Journal of Manufacturing Science and Engineering, page(s) 121008-1 - 121008-7, 2017
Haas F., "Energy Consumption Factor as a new Classification Figure to compare Production Processes", Jahrbuch Instandhaltungstage 2017, page(s) 139-142, 2017
Steffan M., Haas F., Zopf P., Edler J., „Optimierung der Schleifbearbeitung mittels OPC UA“, Zeitschrift für wirtschaftlichen Fabrikbetrieb, Band 112 page(s) 137-140, 2017
Zopf P., Haas F., „Ultraschallunterstütztes Bearbeiten von Hartmetall-Bauteilen (HB30F)“, Hanser Schleiftagung, 2017
Steffan M., Haas F., „Einsatz von OPC UA zur Optimierung der Prozessregelung in der Schleifbearbeitung“, Hanser Schleiftagung, 2017
Brillinger M., Haas F., Enzinger N., Pfanner S., „Basic Characterisation of 17-4PH structure manufactured by Selective Laser Melting“, Title of host publication: "Industrial perspectives in Additive Technologies", page(s) 157-162, Metal Additive Manufacturing Conference - MAMC 2016, 2016
Haas F., Zopf P., Edler J., "Progress in Titanium Machining", THERMEC, Graz, 2016
Haas F., Gerstgrasser M., Netzer E. & Küng, May D. „Entwicklungsmethodik mit Berücksichtigung der Fertigungsaspekte für die Entwicklung von Baugruppen und Bauteilen in der Beschlägeindustrie“, Journal Konstruktion, page(s) 84-87, 2016
Haas F., "Flexible Manufacturing Systems and 3D-Printing", WING Business Journal, page(s) 28-30, 2015
Redecker M., Haas F., "Energy optimized machine tools and processes with advanced measuring technology and evaluation, TMT 2014 – 18th International Research/Expert Conference, Budapest, 2014
Haas F., Ablinger R., Edler J., „Produktivitätsgewinn durch drehzahlsynchrones Unrundschleifen mit neuem Maschinenkonzept“, Schleiftagung, Hanser Verlag, Stuttgart, 2014
Haas F., Nuspl E., "Optimized Chipping Processes with a New Mechatronic Tool System - Application of Strain Gauge Sensors and Piezoelectric Actuators", 9 th International Conference on Informatics in Control, ICINCO 2012, Rome, 2012
Haas F., Brandl M., "Innovative torque sensor as key component to Intelligent Production"; 6 th Research Forum of Universities of Applied Sciences, Conference proceedings 6; page(s) 27-32, Graz, 2012