

2019 IEEE INTERNATIONAL WORKSHOP ON

Metrology for AeroSpace

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CALL FOR PAPERS

for the Special Session on

METROLOGICAL AND TECHNOLOGICAL ASPECTS OF MANUFACTURING IN THE AEROSPACE INDUSTRY

TOPICS

- Advanced diagnostic systems of machines in aerospace manufacturing
- Machine measurement systems and their control
- Diagnostics of robots during the manufacture of aircraft parts
- Monitoring and optimization of manufacturing processes in aerospace production
- Metrology and optimization of geometrical and physical parameters of surface integrity
- Optimization of difficult-to-cut materials
- Surface metrology in aerospace manufacturing
- Friction and wear measurement of aerospace materials and composites
- Measurement and modeling of aircraft structures

ABOUT THE CONVENER

Jerzy Józwik is a staff member of the Faculty of Mechanical Engineering at the Lublin University of Technology (since 1998) and of the State School of Higher Education in Chełm (since 2007), where he holds the positions of Deputy Director of the Institute of Technical Studies and Aviation and Head of the Engineering Studies Centre (since 2012). He is a member of numerous scientific societies, including the Lublin Scientific Society, the Polish Society of Engineers and Mechanics, the Polish Society of Production Management, and the Polish Welding Society, where, since 2015, he has held the position of Chairman of the Scientific and Technical Section of the Polish Welding Society, Lublin Branch. In 2018 he was honoured with the Silver Cross of Merit and in 2011 Bronze Cross of Merit from the President of the Republic of Poland. He graduated from the Faculty of Mechanical Engineering of the Lublin University of Technology in Mechanics and Machine Design with a specialization in Machine Technology and Polymer Processing. He is the author of over 160 reviewed papers and scientific publications, author of one monograph (2018) and co-author of two monographs (2014, 2016), the editor of one monograph (2009) and a co-editor of two monographs (2005, 2007). He co-authored two patents, two utility models and three patent applications. A supervisor of engineering diplomas and master theses as well as an auxiliary supervisor of doctoral dissertations. He is the author of various expert opinions concerning innovations for industry. He holds certificates related to the operation of machines and numerically controlled devices, CNC machine tools, robots, cutters, tool setting system operation, CNC machine tool diagnostic systems, microscopes, and optical tools utilized in reverse engineering and research. He is also a member of various scientific committees and scientific conference organizing committees, both domestically and internationally (Poland, Czech Republic, Slovakia, Ukraine, Romania, Croatia). He is also a member of scientific committees and a reviewer for scientific magazines as well as a reviewer and member of the jury in a national competition for Best Master Thesis organized by Sandvik Coromant in Poland. He is actively engaged in the Erasmus and Ceepus programmes both at the Lublin University of Technology and the State School of Higher Education in Chełm. He is the author of various expert opinions concerning innovations for industry.

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Arkadiusz Tofil – Associate Professor PhD hab. - Since 1 September 2016 r. Rector of the PWSZ in Chełm. From 2008 to 2016 vice-rector for the development and international cooperation, graduate of the faculty of Mechanical Engineering at the Lublin University of Technologies. In 2008 he defended with honors his thesis of dissertation, entitled "Research of process of mechanical splitting without waste of round metal bars". In the years 2002-2008 assistant at the Institute of Technical Sciences. Since October 2008 assistant professor in the Department of Computer Modeling and Metal Forming Technologies at the Lublin University of Technologies. Author or co-author of 75 publications and 8 patents. Research and scientific work is performed in the range of subjects related to the issues forming of metals, mainly technology of cross-wedge rolling and forging processes. He conducts lectures and classes relating to plastic processing of metals, engineering mechanics and graphics. He was awarded the prize of the Minister of Science and Higher Education for organizational achievements of 2nd degree, Bronze Cross of Merit, repeatedly received the Rector of the PWSZ in Chełm awards for organizational activities to the benefit of the university and awards of Lublin University of Technology Rector for achievements in scientific activity.



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