

MANUFACTURING

2014



BOOK OF ABSTRACTS

08-10.12.2014

Poznan University of Technology, Poznan, Poland

IV International Scientific and Technical Conference

95th Anniversary of the Faculty of Mechanical
Engineering and Management



SESSION 6 16:40 - 18:00

Day 3 - Wednesday, Dec. 10, 2014

CW-6	CHAIRMAN: Prof. J. ŚLĄDEK CO-CHAIRMAN: Dr. W. PTASZYŃSKI	021-BT	CHAIRMAN: Prof. J. GAWLIK CO-CHAIRMAN: Dr. K. ZYWICKI	022-BT	CHAIRMAN: Prof. A. MILECKI CO-CHAIRMAN: Dr. D. RYBACZYK
Cutting machining, devices and tool-systems		Quality engineering & Production management		Design, building and research of machines and devices & Technological and assembly processes planning	
Janusz CIEŁOSZYK, Marek ZASADA (West Pomeranian University of Technology) The analytical basis for evaluation and comparison of the effectiveness of modern turning with rotary and conventional tools	Józef GRUSZKA (Poznan University of Technology) Badania zdolności technologicznej procesu gładzenia tulei cylindrycznych	Agnieszka KLEMBALSKA (Industrial Institute of Agricultural Engineering) Aspekty zapewnienia jakości w działalności badawczo-rozwojowej	David ADRIÓ, Alejandro PEREIRA, Eduardo RIVEIRO, Javier MARTÍNEZ, Jose Antonio PÉREZ (University of Vigo) Analysis and simulation of deep rolling process applied to crankshafts	Rahul CHHIBBER ¹ , Waris Nawaz KHAN ² , Raju PETA ⁴ , Parveen SUTHAR ¹ ('IIT Jodhpur, 'Gautam Buddha University, Greater Noida) Design and development of friction stir welded aluminum alloy 6061 joints	Jerzy JĘDRZEJEWSKI, Zbigniew KOWAL, Wojciech KWASNÝ, Zdzisław WINIARSKI (Wrocław University of Technology) Modelling development of HSC machine tools errors in control axes
Jan BUREK, Łukasz ŻYŁKA, Michał GDULA, Paweł TUREK (Politechnika Rzeszowska) Analysis the accuracy of simultaneous five axis machining free surfaces parts of difficult to machine materials used in aviation technology	Robert SIKA, Zenon IGNASZAK (Poznan University of Technology) SPC procedures for the manufacturing and complex unstable processes	Paweł SMUŚKIEWICZ Doświadczenie bierne w procesach produkcyjnych	Mirosław PAJOR, Karol MIADLICKI, Kamil STATECZNY (West Pomeranian University of Technology) The use of a vision system to control the CNC machine using gestures	Ryszard MOSZUMAŃSKI (Cracow University of Technology) Recuperative furnaces for heat treatment of compacts made from particulate materials save energy	Ryszard MOSZUMAŃSKI (Cracow University of Technology) Polish pulsatory presses break down barriers in plastic forming of particulate materials
Adam BARYLSKI, Norbert PIOTROWSKI (Gdańsk University of Technology) The idea of robotic single-sided lapping system	Łukasz WOJCIECHOWSKI ¹ , Krzysztof J. KUBIAK ² , Thomas G. MATHIAS ³ (Poznan University of Technology ¹ , University of Huddersfield ² , University of Liverpool ² , 3Ecole Centrale de Lyon) Finishing manufacturing process combining grinding and burnishing in boundary lubricated scuffing of sliding parts				