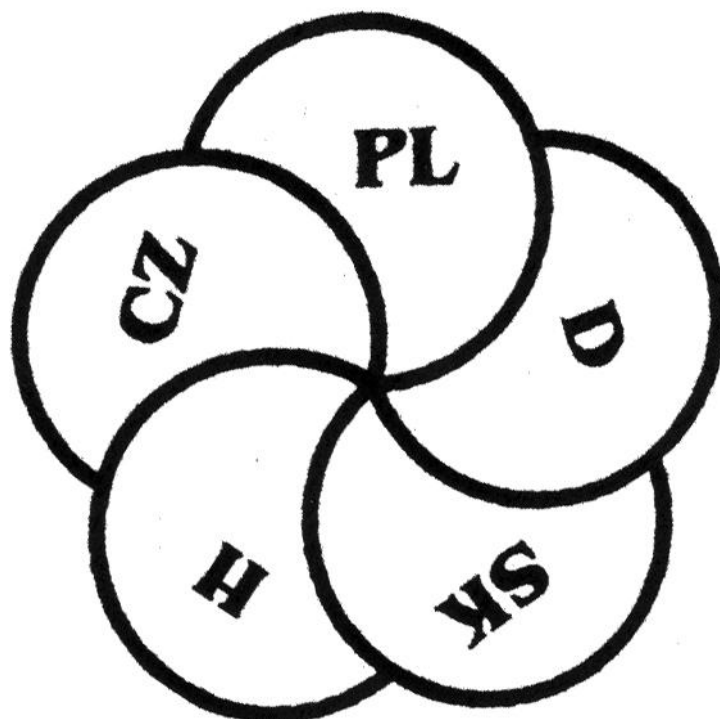


**31<sup>st</sup> International Colloquium  
on  
Advanced Manufacturing and Repair Technologies  
in Vehicle Industry**

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**Institute of Production  
Engineering Czestochowa  
University of Technology**

**The Managers of Quality  
and Production Association**



**RZAŚAWA, WAWRZKOWIZNA near BĘLCHATÓW  
21-23.05.2014  
POLAND**



**Ministry of Science  
and Higher Education**

Republic of Poland

Co-financed by the Polish Ministry of Science and Higher Education within the project  
"Działalność Upowszechniająca Naukę" Nr 781/P\*DUN/2014

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Prof. n. techn. i n. ekonom. dr hab. inż.  
Stanisław Borkowski

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# CONFERENCE PROGRAMME

## 31<sup>st</sup> International Colloquium on Advanced Manufacturing and Repair Technologies in Vehicle Industry

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**21.05.2014 (Wednesday)**

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### Registration from 11<sup>00</sup>

12<sup>00</sup> – 13<sup>00</sup> Lunch  
13<sup>30</sup> – 13<sup>45</sup> CONFERENCE OPENING

#### Session I

**CHAIRMAN:** Prof. n. techn. i n. ekonom. dr hab. inż. Stanisław Borkowski  
Prof. János Takács

13<sup>45</sup> – 14<sup>00</sup> MONIKA HALAMOVIĆ, TATIANA LIPTÁKOVÁ, RADOSLAV KOŇÁR, MARTIN LOVIŠEK  
**PROPERTIES OF WELDED AISI 316L BY TIG METHOD WITH AND WITHOUT FILLER**

14<sup>00</sup> – 14<sup>15</sup> JÓZSEF HLINKA, LÁSZLÓ RÉDEY, ZOLTÁN WELTSCH  
**WETTABILITY TESTS OF DIFFERENT COMPOSITIONS OF LEAD-FREE SOLDER PASTES**

14<sup>15</sup> – 14<sup>30</sup> PETER PALČEK, IVANA HLAVÁČOVÁ, MÁRIA CHALUPOVÁ  
**MICROSTRUCTURE INFLUENCE ANALYSIS OF Mg ALLOYS UNDER STATIC AND CYCLIC LOADING**

14<sup>30</sup> – 14<sup>45</sup> BALÁZS VEHOVSZKY  
**THE INTERACTION OF MICROSTRUCTURE AND HYDROGEN ABSORPTION IN Mg-Ni-BASED METASTABLE ALLOYS**

15<sup>00</sup> – 15<sup>15</sup> VUKIĆ LAZIĆ, RUŽICA R. NIKOLIĆ, SRBISLAV ALEKSANDROVIĆ, DRAGAN MILOSAVLJEVIĆ, RAJKO ČUKIĆ, DUŠAN ARSIĆ, MILAN DJORDJEVIĆ  
**APPLICATION OF HARD-FACING IN REPARATION OF DAMAGED FORGING DIES**

15<sup>15</sup> – 15<sup>45</sup> Coffee break

#### Session II

**CHAIRMAN:** Prof. Ing. Ján Salaj, PhD  
Prof. dr inż. Ferdynand Romankiewicz

15<sup>45</sup> – 16<sup>00</sup> ANDOR BAUERNHUBER, TAMÁS MARKOVITS  
**THERMAL ANALYSIS OF LASER TRANSMISSION JOINING PROCESS APPLYING PMMA PLASTIC AND STEEL**

16<sup>00</sup> – 16<sup>15</sup> PAWEŁ SZATANIAK, MAGDALENA MAZUR, ROBERT ULEWICZ  
**FATIGUE PROPERTIES OF THE WEAR-RESISTANT LOW-ALLOY MARTENSITIC STEEL IN HIGH AND ULTRA-HIGH CYCLE REGION**

16<sup>15</sup> – 16<sup>30</sup> LENKA MARKOVIČOVÁ, VIERA ZATKALÍKOVÁ, ANETA TOR-ŠWIĄTEK  
**POLYMER COMPOSITES BASED ON PE**

16<sup>30</sup> – 16<sup>45</sup> ŁUKASZ PASIECZYŃSKI, NORBERT RADEK  
**DEVELOPMENT OF PAINT SYSTEM WITH IMPROVED GRAIN DISTRIBUTION IN RESIN**

19<sup>30</sup> Grill supper

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## 22.05.2014 (Thursday)

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7<sup>00</sup> – 8<sup>00</sup> **Breakfast**  
8<sup>15</sup> – 16<sup>00</sup> Excursion, workshops (Bełchatów Mines, WIELTON Company)  
**Lunch** during the trip  
16<sup>30</sup> – 17<sup>00</sup> Meeting of the SCIENTIFIC COMMITTEE

### Session III

17<sup>00</sup> – 17<sup>30</sup> **Poster session**  
**CHAIRMAN:** Prof. RNDr. PhD. Tatiana Liptakova  
Dr inż. D. Klimecka-Tatar  
20<sup>00</sup> **Official supper**

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## 23.05.2014 (Friday)

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8<sup>00</sup> – 9<sup>00</sup> **Breakfast**

### Sesja IV/Session IV

**CHAIRMAN:** Prof. P.Cz. dr hab. inż. Jacek Selejdak  
DrSc Eng., Radek Norbert

9<sup>15</sup> – 9<sup>30</sup> LENKA HURTALOVÁ, EVA TILLOVÁ, MÁRIA CHALUPOVÁ, MÁRIA FARKAŠOVÁ  
**EFFECT OF THE ANTIMONY ON 4XXX AI ALLOYS SERIES STRUCTURE**

9<sup>30</sup> – 9<sup>45</sup> VIERA ZATKALÍKOVÁ, LENKA MARKOVIČOVÁ, FRANTIŠEK SCHLOSSER, EVA REMIŠOVÁ  
**EFFECT OF TEMPERATURE ON RHEOLOGICAL PROPERTIES OF BITUMINOUS BINDERS**

9<sup>45</sup> – 10<sup>00</sup> PETR HANUS, MICHAL KONEČNÝ  
**STUDY OF THE MECHANICAL HETEROGENITY OF THE HIGH STRENGTH STEEL AFTER SPOT WELDING**

10<sup>00</sup> – 10<sup>15</sup> ZOLTÁN WELTSCH, JÓZSEF HLINKA, ANTAL LOVAS  
**WETTING PROPERTIES OF SILVER BASED ALLOYS ON GRAPHITE AND AL<sub>2</sub>O<sub>3</sub> SUBSTRATES**

10<sup>15</sup> – 10<sup>30</sup> CONFERENCE CLOSING  
11<sup>30</sup> **Lunch**



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