



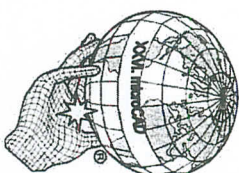
„A felsőoktatás minőségének javítása kiválósági
központok fejlesztésére alapozva a Miskolci Egyetem
stratégiai kutatási területein”
TÁMOP-4.2.1.B-10/2/KONV-2010-0001



*„A konferencia a TÁMOP-4.2.1.B-10/2/KONV-2010-0001 jelű projekt részeként az Európai
Unió támogatásával, az Európai Szociális Alap társfinanszírozásával valósul meg”*

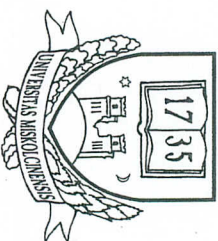


A projekt az Európai Unió támogatásával, az Európai
Szociális Alap társfinanszírozásával valósul meg.



ITTC
Innovation and Technology Transfer Centre
University of Miskolc

XXVI. microCAD International Scientific Conference 29-30 March 2012



PROGRAMME

APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGY SYMPOSIUM

Chairman: István LAKATOS *professor*

C: METAL EXTRACTION, PROCESSING AND ENERGY UTILIZATION

VENUE: Room 312., Bld. B/1. 3rd floor, 312.

Chairman: Tamás KÉKESI *professor*

Secretary: Viktor OROSZ *research assistant*

Date: March 29, 2012

- 14.00 Gerald Schneeberger, Jürgen Antrekowitsch, Stefan Steinlechner University of Leoben, Austria
Implementation of a Previous Purification Step in Course of the Recycling of Filter Dusts from the Iron and Steel Industry
- 14.20 Rene Rumpold, Jürgen Antrekowitsch University of Leoben, Austria
Recycling of PGMs from Spent Automotive-Catalysts: State of the Art and Future Perspectives
- 14.40 Stefan Steinlechner, Jürgen Antrekowitsch, Gerald Schneeberger University of Leoben, Austria
Influence of Temperature and Treatment Time on the Halide Removal Yield During Clunkering
- 15.00 Gergő Rinaaszi, Tibor Kulcsár, Csilla Máté, Tamás Kékesi University of Miskolc, Hungary
Recovery of High Purity Tin from Soldering Scrap by Periodical Current Electrorefining in HCl Solutions
- 15.20 Break
- 15.40 Zsolt Dobó, Tibor Kulcsár, Tamás Kékesi University of Miskolc, Hungary
Electromechanical System with Alternative Current Supply for the Electrorefining of Tin in HCl Solutions
- 16.00 Viktor Orosz, Tamás István Török, Zoltán Pekete, Georgina Szirmai University of Miskolc, Hungary
Electroplating Thin Copper Layers onto Steel Substrates in Hull Cell from Pyrophosphate Solution
- 16.20 Gábor Matejka, Tamás Kékesi, Tamás Török University of Miskolc, Hungary
Electrodeposition of Zinc from the Acid Solutions of Common Zinc-Manganese Dioxide Battery Scrap
- 16.40 Péter Baumli University of Miskolc, Hungary
Production of Metal Matrix Composites by Casting Methods
- 17.00 Summary

APPLIED MATERIALS SCIENCE AND NANOTECHNOLOGY SYMPOSIUM

Chairman: András ROÓSZ *professor*

C: METAL EXTRACTION, PROCESSING AND ENERGY UTILIZATION

VENUE: Room 312., Bld. B/1. 3rd floor, 312.

Chairman: Tamás TÖRÖK *professor*

Secretary: Monika TOKÁR *PhD Student*

Date: March 30, 2012

- 9.00 Tamás Kékesi, András Bárdos, Csaba Walczar University of Miskolc, Hungary
Metallurgical Characteristics Causing Defects in Copper Rotors Cast from Remelted Material
- 9.20 Oliver Bánhidí University of Miskolc, Hungary
Examination of the Interference Effects in the Course of ICP-AES Determination of Strontium Content in Aluminium Alloys
- 9.40 Daniel Molnár¹, Árpád Simcsák¹, Csaba Walczar² University of Miskolc¹, Kienler-Spess Hungary Ltd.², Hungary
High Pressure Die Casting of Rotor Geometries
- 10.00 Tünde Mezzóli Sinka¹, Jenő Duf² Bosch-Hungária Kft.¹, University of Miskolc², Hungary
Automotive Ductile Iron Castings Structural Inhomogeneity and Their Inspections
- 10.20 Break
- 10.40 András Gergely¹, Tamás Török², Tibor Kulcsár², Erika Kálmán¹ Hungarian Academy of Sciences, Research Centre for Natural Sciences¹, University of Miskolc², Hungary
Corrosion Protection of Cold-Rolled Steel with Zinc-Rich Epoxy Paint Coatings Compositied with Nano-Size Polypyrrole-Deposited Alumina Particles
- 11.00 Gréta Gergely¹, Oliver Bánhidí², Arnold Rónaföldi², Jenő Kovács², András Roósz², Lajos Daróczi³, Zoltán Gácsi² Hungarian Academy of Sciences¹, University of Miskolc², University of Debrecen³, Hungary
The Summarized Effect of Strontium Content and Melt Stirring on the Structure of the A356 Alloy
- 11.20 Anett Kósa, Jenő Duf, Zoltán Gácsi University of Miskolc, Hungary
Effects of Strontium on the Microstructure of Al-Si Casting Alloys
- 11.40 Monika Tokár¹, Anna Szombatfalvy¹, György Fegyverneki², Jenő Duf¹ University of Miskolc¹, NEMAK Győr Alumíniumönde Ltd.², Hungary
Optimization of the Properties of the Melting Used in Automotive Al Castings
- 12.00 Summary