

INTERNATIONAL CONFERENCE OF CASTING AND MATERIALS ENGINEERING ICCME 2017 & 41ST FOUNDRYMAN'S DAY

10.11.2017 (Friday) Novotel Krakow City West. Al. Armii Krajowej 11, 30-150 Kraków, Poland
GPS N 50° 4' 12.75" E 19° 53' 50.57"

CONFERENCE PROGRAMME

08:30 – 9:30 REGISTRATION

10:00 – 11:00 OFFICIAL OPENING

PLENARY SESSION (CHAIRMAN: AMIR SHIRZADI, HALINA KRAWIEC)

11:00 – 11:20

Werner Menk (Georg Fischer Automotive AG, Switzerland), *A New High Strength High Ductile Nodular Iron*

11:20 – 11:40

Franco Bonollo (Padova University, Italy), Defects Classification in Aluminium Alloys Castings: Application of the New CEN Standard

11:40 – 12:00

Jan Jezierski (Silesian University of Technology, Poland), Influence of the Gating System Geometry on the Metal Flow Character During Pouring Process of the Cast Steel Castings

12:00 – 12:20

Attila Dioszegi (Jönköping University, Sweden), Recent Advances at Interpreting Solidification of Cast Iron

12:20 – 12:40

Franco Zanardi (Zanardi Fonderie, Italy), A Contribution to New Material Standards for Ductile Irons and Austempered Ductile Irons

12:40 – 14:00 LUNCH

	ROOM A	ROOM B
	Chairman: Franco Bonollo, Dariusz Kopyciński	Chairman: Werner Menk, Beata Grabowska
14:00 – 14:15	<i>Correlation Between Ductile Irons Production and Plastic Behavior Through Dislocation-Density-Related Constitutive Equations Modeling</i> Giuliano Angella (Institute of Condensed Matter Chemistry and Technologies for Energy, Italy)	<i>Treatment and Utilization of Slags from Foundry Processes</i> Alena Pribulova (Technical University in Košice, Slovakia)
14:15 – 14:30	<i>Transient Liquid Phase (TLP) Solidification Under a Temperature Gradient: Modelling and Applications</i> Amir Shirzadi (The Open University, UK)	<i>Influence of Process Parameters on Cerioxide Formation in Low Carbon Steel</i> Alexis Vaucheret (Ecam, France)
14:30 – 14:45	<i>Nemak 4.0 – 4th industrial revolution in Nemak Poland</i> Bartłomiej Dybowski (Nemak Poland)	<i>Relationship Between Inclusion Population and Deoxidation Process in Low Carbon Steel</i> Cecile Nicoli (Ecam, France)
14:45 – 15:00	<i>Metallurgical Processing of the Al-Si Alloys with the Increased Fe Content Using Na, Sr and Te</i> Marcela Pokusova (Slovak University of Technology, Bratislava, Slovakia)	<i>Corrosion Resistance of Metallic Alloys: Role of Microstructure and Mechanical Stresses</i> Vincent Vignial (University of Burgundy, France)
15:00 – 15:15	<i>Degradation of Cast Alloys by Corrosion Processes</i> Halina Krawiec (AGH University of Science and Technology, Poland)	<i>Influence of the SiC Particles on the Grain Density of Magnesium Primary Phase in the AZ91/SiCp Composite: Modelling and Experiment</i> Janusz Lelito (AGH University of Science and Technology, Poland)
15:15 – 15:30	<i>Autonomous Optimization – New Standard in Simulation of Casting Processes Through Example of MAGMASOFT® Simulation Tool</i> Ryszard Skoczylas (KOM-ODLEW, Poland)	<i>Selected Properties of Protective Coatings Applied to Molds and Cores</i> Emilia Wildhirt (AGH University of Science and Technology, Poland)
15:30 – 15:45	<i>Advanced Stress Modeling with ProCAST Simulation Software</i> Vlastimil Kolda (Mecas ESI, Czech Republic)	<i>Modification of Foundry Binders with Use of Biodegradable Material</i> Aleksandra Grabarczyk (AGH University of Science and Technology, Poland)
15:45 – 16:00	<i>Application of Sodium Carboxymethyl Starch (CMS-Na) in Molding Sand Technology</i> Karolina Kaczmarska (AGH University of Science and Technology, Poland)	<i>Optimization of Production Process with Use of X-Ray Testing Machine</i> Dariusz Brzozowski (ITA, Poland)
16:00 – 16:15	<i>Microstructure and Abrasive Wear Study of WC-Fe-Mn Type Monolithic Composite Zones Fabricated in Situ in Manganese Steel Castings</i> Ewa Olejnik (AGH University of Science and Technology/INNERCO, Poland)	<i>Challenges of the electric vehicles revolutions</i> Michał Łuszczak (Nemak, Poland)

16:15 – 16:30 COFFEE BREAK

16.30 – 18:00 DISCUSSION PANEL “RESEARCH AND EDUCATION IN FOUNDRY ENGINEERING”

19:30 – 23:00 BANQUET