



IPMM 2012

7th International Conference on Intelligent Processing
and Manufacturing of Materials

September, 02-03, 2012, Foz do Iguaçu, Brazil

PROGRAM

General Chair:

Giorgio de Tomi, *University of São Paulo*

Executive Coordinator:

Jacopo Seccatore, *University of São Paulo*

Technical Program:

Matteo d'Amore	University of Salerno, Italy
Marilena Cardu	Politecnico di Torino, Italy
Mauricio Dompieri	University of São Paulo, Brazil
Ricardo Martins	Federal University of Pernambuco, Brazil
John A. Meech	University of British Columbia, Canada
Enrique Munaretti	Federal University of Rio Grande do Sul, Brazil
Michele Pappalardo	University of Salerno, Italy
Jacopo Seccatore	University of São Paulo, Brazil
Marcello Veiga	University of British Columbia, Canada
Francesco Villecco	University of Salerno, Italy

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Day	Time	Program
02/09/2012	14:00	Welcome speech <i>Giorgio de Tomi, Chairman</i>
	14:15	Opening Remarks <i>Jacopo Seccatore, Executive Coordinator</i>
	14:30	John Meech , Keynote Speaker <i>Fuzzy Logic in the Mining Industry</i>
	15:00	Colón Velásquez López , Keynote Speaker <i>Small-scale mining: the challenge for sustainability</i>
	15:30	Jacopo Seccatore <i>Efficiency as a road to sustainability in Small Scale Mining</i>
	16:00	Mauricio Dompieri <i>An innovative approach to mine blasting blast fragmentation management using complexity analysis</i>
	16:30	Coffee Break
	17:00	Enrique Munaretti , Keynote Speaker <i>Remote Controlled Inspection Robot for Mining</i> <i>Speech and Demonstration</i>
	20:00	Conference Dinner

03/09/2012	08:30	Michele Pappalardo , Keynote Speaker <i>The way to the intelligent car: a fuzzy method to evaluate the performances of drivers assuming alcohol.</i>
	09:00	Creating a Geothermal Favourability Map of British Columbia <i>John Meech and Sarah Kimball</i>
	09:20	Simulation of Autonomous Mine Haulage Trucks <i>Juliana Parreira and John Meech</i>
	09:40	High-Velocity Impact Comminution of Magnetite <i>John Meech, Sepehr Sadrai, and Bahador Mousavi Zadeh</i>
	10:00	RD&I Opportunities For Coal Preparation In Brazil <i>Sandra Lúcia de Moraes, Camila Peres Massola, José Renato Baptista de Lima</i>
	10:20	Management Model Pdca 90-10 Applied To Open Pit Mine Operations <i>Richardson Agra, Afonso Petta, Jonas Paulino, Giorgio de Tomi</i>
	10:40	Coffee Break
	11:20	Challenges in the Feasibility of Bituminous Shale as a Source of Oil <i>Alexandre O. Passos, Jonas R. Paulino, Giorgio de Tomi</i>
	11:40	Simulation Tools: a study of application at the Nouadhibou Port <i>Dennis T. Cremonese and Paloma A. Livoratti</i>
	12:00	Sensitivity on Numerical Weather Prediction in the Northwest of Spain <i>Ellen Yoshie Sudo Lutif, Vicente Pérez Muñuzuri</i>
	12:30	Lunch
	14:00	Material Machining with AWJ: Part I: Fundamental Automation Aspects <i>Valena Hennies Lauand, Carlos Tadeu Lauand, Wildor Theodoro Hennies, Antonio Stellin Junior, Guillermo Ruperto Martín Cort</i>
	14:20	Material Machining with AWJ: Part II The evolution of the Computer Control <i>Valena Hennies Lauand, Carlos Tadeu Lauand, Wildor Theodoro Hennies, Antonio Stellin Junior, Guillermo Ruperto Martín Cortés</i>
	14:40	Material Machining by AWJ: Part III A case study in High precision quality Polyurethane Part <i>Valena Hennies Lauand, Carlos Tadeu Lauand, Wildor Theodoro Hennies, Antonio Stellin Junior, Guillermo Ruperto Martín Cortés</i>
15:00	Material Machining by AWJ: part IV Materials Etching <i>Valena Hennies Lauand, Carlos Tadeu Lauand, Wildor Theodoro Hennies, Antonio Stellin Junior, Guillermo Ruperto Martín Cortés</i>	

03/09/2012	15:20	Benefits Of EPDM In The Drilling Mud <i>Jofer Miziara Nogueira, Evandro Luis Pungillo, Fabio José Esper, Ricardo Cabral de Azevedo, Guillermo Ruperto Martín-Cortés</i>
	15:40	Production and characterization of organoclay, based on the natural clay Chocolate "A" <i>Aline C. L. Patrício, Aécio Barbosa Sousa, Marçílio M. da Silva, Hervé M. Laborde, Meiry G. F. Rodrigues</i>
	16:00	"Cement-free product" for settlement of ceramic tiles: an approach for greener construction <i>Otávio L. do Nascimento, Alexandra A. P. Mansur, Herman S. Mansur</i>
	16:20	Addition Of Electric Arc Furnace Dust In Hot Metal Using Graphite Crucibles <i>Vicente de Paulo Ferreira Marques Sobrinho, José Roberto de Oliveira, Estéfano Aparecido Vieira, Victor Bridi Telles, Felipe Fardin Grillo, Jorge Alberto Soares Tenório, Denise Crocce Romano Espinosa</i>
	16:40	Coffee Break
	17:20	Evaluation of Frequency Dependent of Stripline on Dielectric Substrates <i>Ellen Yoshie Sudo Lutif, Alberto José de Faro Orlando, Antonio Carlos da Cunha Migliano</i>
	17:40	Influence of the residue of Casting by Lost Wax in the modulus of elasticity and porosity of concretes <i>Carine F. Machado, Weber G. Moravia</i>
	18:00	Experimental Methodology For Limit Strain Determination In A Carbon/Epoxy Composite Under Tensile Fatigue Loading <i>A.C. Ancelotti Jr., M. L. M. Noronha, V. O. Gonçalves, Garcia, K., L. C. Pardini</i>
	18:20	Effects of reduction of percent of template (HMI) and time of static synthesis on the structure of MCM-22 zeolite <i>Romulo C. N. Leite, Everton R. F. dos Santos, Aécio B. Sousa, Hervé M. Laborde, Meiry Gláucia F. Rodrigues</i>
	18:40	Use of the processed waste from kaolin and granite sawing in the manufacture of tubular ceramic membranes <i>Chaves, A.C, Neves, G.A Lira, H.L, Oliveira, D.N.S, Mendonça, A.M.G.</i>
	19:30	Conference closure Giorgio De Tomi, Jacopo Seccatore

POSTERS

Title	Authors
Morphological Analysis Of Chip Generated By The Process Of Turning On Bronze Aluminium Industry Used In Aeronautics Via Electronic Scanning Microscopy	Daniel Assis Amancio, José Veríssimo Ribeiro de Toledo, João Roberto Ferreira, Mirian de Lourdes Noronha Motta Melo, Gilbert Silva
Determination of Surface Roughness in Turning of Aluminum Bronze alloy (UNS C 63020) using cutting tools with carbide Geometry Positive and Negative	Daniel Assis Amancio, José Veríssimo Ribeiro de Toledo, João Roberto Ferreira, Mirian de Lourdes Noronha Motta Melo, Gilbert Silva, Luiz Eduardo Paes
Evaluation of the Clay in the Production Process Bragsel Organophilic Clay	Aline C. L. Patrício, Wellington S. Lima, Marçílio M. da Silva, Meiry G. F. Rodrigues
Elaboration Of Reservoir Simulation Software For Academic Purpose	José Leonardo Martins Salles, Ricardo Cabral De Azevedo, Giorgio De Tomi
Zinc Oxide Film on Glass Substrates by Means of Plasma Immersion Ion Implantation and Deposition	M. S. Vieira, R. M. Oliveira, M. Ueda, J. P. B Machado
Chemical Treatment Of Natural Sodium Clay For Use As Adsorbent For Organic Compounds	Guilherme C. Oliveira ¹ , Mariaugusta F. Mota, Jose V. N. Silva, Marçílio M. Silva, Meiry G. F. Rodrigues
Evaluation Of Chocolate Clay Removal Of Lead In B (Pb ²⁺) System In Finite Bath	Rochélia Silva Souza, Joseane Damasceno Mota, Meiry Gláucia Freire Rodrigues
Synthesis And Characterization Of Organophilic Clay Bofe Using Quaternary Ammonium Salt Dodigen	Rochélia Silva Souza, Joseane Damasceno Mota, Meiry Gláucia Freire Rodrigues
Study Of Bimetallic Catalysts Of The Type (Pt-Ni/Zsm-5; Pt-Ru/Zsm-5; Ni-Ru/Zsm-5), For Their Use In Catalysis	Antusia dos Santos Barbosa, Antonielly dos Santos Barbosa, Meiry Gláucia Freire Rodrigues, Javier Mario Grau.
Synthesis of MCM-22 zeolite membrane on a porous alumina support	Antonielly dos S. Barbosa, Antusia dos S. Barbosa, Meiry Gláucia F. Rodrigues
Synthesis and Characterization of the Catalysts 20 wt.% Fe/SBA-15	Liliane. A. Lima, Jocielys. J. Rodrigues, Ângela C. Nogueira, Meiry G. F. Rodrigues

POSTERS

Title	Authors
Feasibility Study of the Properties of Clay Chocobofe Removal of Lead in Synthetic Wastewater	José Vanderley do Nascimento Silva, Guilherme Costa de Oliveira e Meiry Glauca Freire Rodrigues
Microstrutural and Mechanical Characterization of the Niobium Cold Deformed-Swage	Dalton Garcia. Borges, Márcia Regina Baldissera, Geovani Rodrigues, Mirian de Lourdes Noronha Motta Melo, Rayana Fernanda Ribeiro Lourenço, Gilbert Silva
Drawing Tantalum Encapsulated in the Cooper Pipe	Murilo de Oliveira Borges,a, Gustavo Aristides Santana Martinez, Márcia Regina Baldissera1, Geovani Rodrigues, Rosinei Batista Ribeiro, Gilbert Silva, Gerson Avelino Fernandes.
Recycling of Steel AISI 52100 Gotten by the Route of Powder Metallurgy	Wellington S.D., Dalton G.B.S., Rayana F.R.L., Mírian L.N.M.M., Kátia R.C.e and Gilbert S.
Production and Characterization of Ti-Nb Alloys, Using Powders Obtained by HDH Process Aiming the Development of Biomaterials	Murilo O. B., Rodrigo S. S., Gerson A. F., Rayana F. R. L., Fernando V. J. and Gilbert S.
Effect of Solubilization Temperature on the sigma phase precipitation of a Superduplex Stainless Steel	Silva A.; Rodrigues C. A.; Corrêa E. O., Melo, M.L.N.M.
Design Of Costs-Based Metrics For Enhancing The Economics Of The Mining Truck Fleet	Max Martins, Carlos Teixeira, Beck Nader, Giorgio De Tomi.
Time Series Models To Obtain The Barrel Crude Oil Prices	Enos Nobuo Sato, Carlos Teixeira, Beck Nader, Giorgio de Tomi
Addition of Electric Arc Furnace Dust In Hot Metal Using Graphite Crucibles	Vicente de Paulo Ferreira Marques Sobrinho1,a, José Roberto de Oliveira, Estéfano Aparecido Vieira1, Victor Bridi Telles, Felipe Fardin Grillo, Jorge Alberto Soares Tenório, Denise Croce Romano Espinosa
Development Of A Neural Network Model For The Study Of The Recrystallization Kinetics Of If Steel	Gerson Alves Inácio, Éder dos Reis Silva, Phablo Ramos Carvalho, Aduauto Martins de Assis; José Flávio Silveira Feiteira; Gláucio Soares da Fonseca
How To Transform A Videogame In A Scientific Apparatus Using The Fuzzy Logic	Pasquale Sena, Paolo Attianese, Matteo Amore, Michele Pappalardo, Arcangelo Pellegrino, Francesco Villecco
Geroferenced Pest Control Management in Brazilian Citrus Production	Miriam H. Okumuraa , Giorgio de Tomi and Alexandre Passos
Niobium Sintering Process Using Design Of Experiment: Taguchi`S Method	Rosinei B. R.(1), Fernando V. Jr , Gilbert S- .Rafaela V. de O. and Messias. B. S.
Portland Cement For The Cementing Of Oil Wells Developed With The Aid Of The Rietveld Refinement Method	Danielle do N. S. Oliveira, Gelmires de A. Neves Ulisses T. Bezerra, Alexandra C. Chaves, Bruna S. Lira
Application of Pulsed Nd:YAG Laser Beam in the Joining of Corrosion Resistant Materials	Vicente A. Ventrella1 and Wagner de Rossi.
What is happening whit the eos?	Raffaele A. Novellino, João Sinézio de Carvalho Campos
Influence Of Calcium Concentration On The Structural And Electrical Properties Of Pzt Ceramic	Margarete S. Silva1, Alberto A. Cavalheiro, Maria A. Zaghete, Mário Cilense, Elson Longo, Gustavo F. Cavenago, Rafael G. Dias, Lucas L. Silva, Fabiana V. Motta
Challenges in the Feasibility of Bituminous Shale as a Source of Oil	Alexandre O. Passos, Jonas R. Paulino, Giorgio de Tomi.
Production Of Pp/Sawdust Composites To Automotive Components And Optimization Of The Preparation Of Maleated Polypropylene Via Reactive Extrusion For Mechanical Reinforcement In Composites	Lucas P. Santos, Ernani Trombetta, Thais H. Sydenstricker, Kestur G. Satyanarayana