

Symposium L

WEDNESDAY, OCTOBER 11TH



8:15 A.M. – 10:10 A.M. – ORAL SESSION L1

Chairperson: Annelise Zeemann

Room: ZEISS

8:45 – 9:00 A.M. MICROSCOPY APPLIED TO THE INDUSTRIAL WORLD. **(Welcome)**. Zeemann, A., Almeida, L.H.

9:00 – 9:30 A.M. APPLICATIONS OF THE ELECTRONIC MICROSCOPY IN THE RESEARCH, DEVELOPMENT AND MANUFACTURING OF DENTAL IMPLANTS **(L546, Invited)**. Carlos Nelson Elias (Instituto Militar de Engenharia)

9:30 – 9:50 A.M. MICROSTRUCTURAL CHARACTERIZATION OF POLY(ETHYLENE-CO-VINYL ACETATE)/ ADSORBENT CLAY COMPOSITES USED TO REMOVE RESIDUAL SODIUM FROM BIODIESEL **(L508)**. Toni Jefferson Lopes (UFSC), Odinei Hess Gonçalves (UFSC), Mara Gabriela Novy Quadri (UFSC), Ricardo Antonio Francisco Machado (UFSC) and Marinho Bastos Quadri (UFSC)

9:50 – 10:10 A.M. UTILIZATION OF MICROANALYSIS AND ELECTRON MICROSCOPY FOR DETECTION OF PREMATURE WEAR IN HYDROGENERATORS **(L514)**. Cristina Fontes Diniz (UFMG), Juliana Batista da Silva (UFMG), Sebastiana Bragança Lana (UEMG), Nelcy Della Santana Mohallem (UFMG) and Adriana Castro Passos (CEMIG) ■



10:15 A.M. - 10:30 A.M. – COFFEE BREAK



10:30 A.M. – 12:30 P.M. – ORAL SESSION L2

Chairperson: Luiz Henrique de Almeida

Room: ZEISS

10:30 – 11:00 A.M. AUTOMATED MINERALOGY APPLIED TO CHARACTERIZATION OF LATERITE ORES: THE EXPERIENCE OF CVRD **(L544, Invited)**. Kwitko Ribeiro (CVRD).

11:00 – 11:20 A.M. SEM/EDX AND XRD CHARACTERIZATION OF WASTES FROM SÃO THOME ROCK MINING FOR CIVIL CONSTRUCTION APPLICATION **(L524)**. Alexandra Piscitelli Mansur (UFMG) and Herman Sander Mansur (UFMG)

11:20 – 11:40 P.M. EFFECT OF IRON ORE WASTE ADDITION ON THE MICROSTRUCTURE OF CLAYEY CERAMIC **(L529)**. Carlos Maurício Fontes Vieira (UENF), Charles Cosme de Souza (UENF), Diogo Neves Henriques (UENF) and Sergio Neves Monteiro (UENF)

11:40 – 12:00 P.M. MICROSTRUCTURE OF MgO-C LADLE BRICKS **(L504)**. Saulo Roca Bragança (UFRGS), Rafael Mello Trommer (UFRGS), Álvaro Nieldesberg Lima (UFRGS) and Carlos Pérez Bergmann (UFRGS)

12:00M – 12:30 P.M SOLIDIFICATION STRUCTURES OF Sn-Cu AND SN-AG-CU ALLOYS AFTER FURNACE AND AIR COOLING **(L537;L538)**. Daniele Costa Rolim (Inst. Nokia de Tecnologia), Eduardo Franco de Monlevade (Inst. Nokia de Tecnologia) and Ocicleide Custódio da Silva (Inst. Nokia de Tecnologia) ■



12:30 P.M. – 2:00 P.M – LUNCH



2:00 P.M. – 2:45 P.M – PLENARY LECTURE

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2:50 P.M. – 4:20 P.M. – ORAL SESSION L3

Chairperson: André Pinto

Room: ZEISS

2:50 – 3:20 P.M. ADVANCES IN COMPOSITE MATERIAL CHARACTERIZATION THROUGH DIGITAL MICROSCOPY **(L547,Invited)**. Sidnei Paciornik (PUC-Rio), Y. Y. G. Chacón (PUC-Rio) and M. H. P. Maurício (PUC-Rio)

3:20 – 3:40 P.M. ELECTROCHEMICAL AND MORPHOLOGICAL PROPERTIES OF PAni (PDMcT-LiMnMOx), M=Ni, Al, Fe, COMPOSITES FOR APPLICATION AS CATHODES **(L531)**. Sheila Cristina Canobre (Universidade SãoFrancisco), Carla Polo Fonseca (Universidade SãoFrancisco) and Silmara Neves (Universidade SãoFrancisco)

3:40 – 4:00 P.M. INCLUSIONS CONTROL IN PEARLITIC STEEL TIRE-CORDS TROUGH AUTOMATED X-RAY MICROANALYSIS COUPLED TO SCANNING ELECTRON MICROSCOPY. **(L519)**. Conrado R. M. Afonso (LME/LNLS), Sidnei R. de Araujo (LME/LNLS), Daniel Biggemann (LME/LNLS), Marcio R. Comparotto (Pirelli) and Antonio J. Ramirez (LME/LNLS)

4:00 – 4:20 P.M. PERFORMANCE ANALYSIS OF TUNGSTEN FILAMENT APPLIED TO ATOMIC ABSORPTION SPECTROSCOPY **(L530)**. Paulo Santos Roldan (CENA/USP), Sérgio Luís Jesus (ESALQ/USP), Dário Santos Junior (CENA/USP), Flávio Oliveira Leme (CENA/USP), Quienly Godoi (CENA/USP) and Francisco José Krug (CENA/USP) ■



4:20 P.M. – 4:40 P.M. – COFFEE BREAK



4:20 P.M. – 5:45 P.M. – POSTER SESSION PL1

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5:50 P.M. – 7:00 P.M. – PLENARY SESSION



20:30 P.M. ✧ Conference Dinner ✧

THURSDAY, OCTOBER 12TH



9:30 A.M. – 10:45 A.M. – POSTER SESSION PL2

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10:15 A.M. - 10:30 A.M. – COFFEE BREAK



10:45 A.M. - CLOSING PLENARY SESSION