

Scientific Exchange Day 2012 Program**Monday, March 19, 2012****TU Vienna, Festsaal, 1. Stock**

	9:00-9:30	Come together, Registration (Foyer)
	9.30-9:40	Welcome and Introduction (M. Harasek, T. Kühas)
	9:40-10:55	Session Research Area 1: “Zero Waste Processing in Metallurgy”; Chairman Prof. Weiß, DI Zahn
15'		a) Evaluation of technical separation processes of flue dusts in terms of their “selectivity” (W. Öfner, MU Leoben)
15'		b) Flash Reactor: Further development and outlook for 2012 (K. Pilz, voestalpine Stahl)
15'		c) Utilization of Export Gas in the Chemical Industry (D. Wall, MU Leoben)
15'		d) Results of the soda leaching tests (C. Lanzerstorfer, FH OÖ)
		e) Discussion
	10:55-11.15	Coffee Break, Poster Presentation
	11:15-12:00	Session Research Area 2: “Development and Optimization of Refractories used in Metallurgical Processes”; Chairman Prof. Harmuth, Dr. Majcenovic
15'		a) Carbon burnout in magnesia-carbon refractories during ladle preheating (M. Drózd-Ryś, MU Leoben)
15'		b) Growth rate of mold slag crystallization – measurement, evaluation and interpretation of results (H. Harmuth, MU Leoben)
		c) Discussion
	12:00-13:00	Lunch Break, Poster Presentation
	13.00-14.15	Session Research Area 3: “Modeling, Simulation and Automation of Metallurgical Processes”; Chairman Prof. Gittler, Dr. Watzinger
15'		a) Modeling of coal conversion and particle fragmentation inside the corex®-melter-gasifier (F. Holzleitner, TU Wien)
15'		b) Analytical, Numerical and Experimental Investigations in Continuous Casting Mould Flows (M. Javurek, JKU)
15'		c) Correlation between micro-alloying precipitation and the high-temperature part of the second ductility minimum (J. Six, TU Wien)
15'		d) Continuous Casting of Round Bloom Strands with Mould-Electromagnetic Stirring; Numerical Simulations with A Full Coupling Method (J. Reiter, voestalpine Donawitz)
		e) Discussion
	14:15-14:30	Coffee Break, Poster Presentation
	14:30-15:15	Session Research Area 4: “Valuation and Optimization of Metallurgical Raw Materials”; Chairman Prof. Harasek, DI Hauzenberger
15'		a) Injection of heavy fuel oil and waste plastic into a blast furnace raceway (C. Maier, TU Wien)
15'		b) Characterization of the reducibility / disintegration of lumpy iron carriers (M. Hanel, MU Leoben)
		c) Discussion
	15:15-15.45	Coffee Break, Poster Presentation
	15.45-16.45	Session Research Area 5: “Optimization and Development of Processes and Key Components of Metallurgical Plants”; Chairman Prof. Schenk, Dr. Reisinger
15'		a) Effect of an improved material distribution in the blast furnace process (C. Feilmayr, voestalpine Stahl)
15'		b) Modification of Oxide Inclusions due to Steel-Slag Interactions with Special Focus on the Electroslag Remelting Process (S. Michelic, MU Leoben)
15'		c) Thermodynamic and kinetic model of the BOF process (Y. Lytvynyuk, MU Leoben)
		d) Discussion
	16:45-17:00	Discussion and Conclusion of the Scientific Exchange Day 2012