

GRK 2010–Winter Workshop • Venue: Ringhotel Tangermünde • Date : 29th & 30th October, 2010

Programme

29.10.2010, Friday

09:00

Opening

Session Chair : Ashok Nallathambi

09:05	09:25	Dr. Azamat Omarov	Reinigung des Getreides bei der Wirkung der unharmonischen Drehschwingungen
09:25	10:40	Peter Müller	Modelling of Impact Behaviour of Granules
09:40	10:00	Fabian Weigler	Discrete investigation of thermal relaxation in packed beds
10:00	10:15	Gourisankar Sandaka	Modeling of lime calcination from single particle to macro kiln
10:15	10:30	Koteswara Rao	Experimental study of wall-solid coefficient in Rotary kilns

10:30 11:00

Morning Coffee Break

Session Chair : Jan Kalisch

11:00	11:15	Ping Meng	Solid-Solid-Recuperation to improve the Energy Efficiency of Tunnel Kiln
11:15	11:30	Florian Schulz	Sooty particle appearance dependent on the fuel film onto the piston
11:30	11:45	Pavan Penumakala	Element split technique for phase-change problem
11:45	12:00	Dr. Ashok Nallathambi	Thermomechanical simulation of direct chill casting
12:00	12:30	Thorsten Hoffmann	Identification and Validation on the Micro and Macro Scale

12:30 13:20

Lunch Break

13:20 15:10

City Tour

15:10 15:20

Refreshment

Session Chair : Thorsten Hoffmann

15:20	15:45	Jan Kalisch	Crystallographic Texture - Description, Impact, Evolution
15:45	15:55	Shyamal Roy	Strain Rate Sensitivity of Metals
15:55	16:15	Sebastian Borsch	Constitutive modeling of polymeric materials
16:15	16:25	Maimaiti Adili	Inelastic behavior of advanced steels at elevated temperature
16:25	16:40	Oksana Ozhoga M	Creep damage evolution under non-proportional loading
16:40	16:50	Ivan Lvov	Micro-macro analysis of anisotropic creep in a multi-pass weld

16:50 17:20

Afternoon Coffee Break

Session Chair : Maryam Dadkhah

17:20	18:10	Prof. Streitenberger	Lazare and Sadi Carnot in Magdeburg and the Beginnings of Thermodynamics
18:10	18:40	Prof. Specht	Climate change and global warming

18:40

Dinner Party

30.10.2010, Saturday

Session Chair : Pavan Penumakala

08:30	08:45	Olakunle Olatunji	Flow around dynamics of particle sedimentation - Micro and Macro behaviour
08:45	09:00	Sören Stein	Dewatering behaviour of ultrafine particle packings
09:00	09:15	Yujing Wang	X-ray Microtomography and its application to partially saturated porous media
09:15	09:30	Yu Sun	Investigation of wet wipes by pore network model and micro computed tomography
09:30	09:45	Maryam Dadkhah	Investigation of droplet drying and agglomerate structure in fluidized bed

09:45 10:15 **Morning Coffee Break**

Session Chair : Jun.Prof. Thomas Metzger

10:15	11:10	Dr. M. Dreyer	Nonmetallic Porous Structures for Physical-Chemical Functions University of Bremen
11:10	11:30	Sangeetha R	FE simulation of the heat transfer of a droplet impinging on a hot surface
11:30	12:00	Rajesh Kumar	Moment consistent numerical schemes for solving aggregation, breakage & growth eqn.

12:00 13:00 **Lunch Break**

Session Chair : Rajesh Kumar

13:00	13:15	Klim Kovalev	Finite Elements in Ferrofluids
13:15	13:30	Ee Han	Analytical and numerical analysis of two phase flow
13:30	13:45	Mubashir Hussain	Micro-Macro transition of population balances for dispersed systems

13:45 14:00 **Board Meeting**

14:27 **Return Journey to Magdeburg**

RB 36322 Tangermünde – Stendal & RB 36823 Stendal–Magdeburg
