

GUWI 2015 Technical Programme

Date: 06-08-2015

Venue: NML Auditorium

P.No	Hours	Authors	Affiliation	Paper Title
<u>PLENARY SESSION (11:00-13:00 hrs)</u>				
P-1	11.00 hrs	F. Siciliano	DSI USA	Physical simulation of Industrial rolling processes
P-2	11.30 hrs	J. K. Chakravartty	BARC Mumbai	Control of microstructure by thermo-mechanical and novel processing techniques
P-3	12.00 hrs	Sanjay Chandra	Tata Steel Jamshedpur	Effect of recalescence on microstructure and phase transformation in high carbon steel
P-4	12.30 hrs	Vinod Kumar	RDCIS Ranchi	Thermo-mechanical simulation studies using Gleeble system – Advantages & Limitations
Lunch Break (13.00-14.00 hrs)				
Venue : Food Court				
<u>SESSION I (14:00-16:05 hrs)</u>				
TP-28	14:00 hrs	<u>A. Patel</u> , S. Kanpara, K. P. Singh, S. Tripathi, M. Mehta, K. Galodiya, S. S. Khirwadkar	IPR Gandhinagar	Overview of experimental activities using Gleeble 3800 system at IPR
TP-32	14:20 hrs	<u>Md. Z. Ahmed</u> , P. P. Bhattacharjee	IIT Hyderabad	Recrystallization Behavior of Individual Phases in a Severely Warm-Rolled Duplex Stainless Steel
TP-3	14:35 hrs	<u>A. N. Behera</u> , R. Kapoor, A. Sarkar, J. K. Chakravartty, V. Kumar	BARC Mumbai	Hot Deformation and Dynamic Recrystallization behavior of Nb and its Alloys
TP-4	14:50 hrs	<u>K. Vaibhaw</u> , S. K. Jha, V. Kumar, L. Sudersanam, N. Saibaba	NFC Hyderabad	High Temperature Deformation Studies For Development of Alloy 718 Seamless Tube Manufacturing for Strategic Application
TP-5	15:05 hrs	<u>B. Kumar</u> , K. K. Saxenab, S. R. Dey, V. Pancholi, A. Bhattacharjee	IIT Hyderabad	Microstructural Evolution in Hot Compressed IMI 834 Ti Alloy
TP-6	15:20 hrs	<u>M. Sinha</u> , N. Shajan, S.	IIT Roorkee	Dynamic Recrystallization in IF Steel During Hot Deformation

		Badirujjaman, S. Ghosh		
TP-7	15:35 hrs	<u>K. A. Anand</u> , K. Nageswaran, V. Kumar, A. Saxena	RDCIS Ranchi	Hot Workability Studies on 2.7% Si Steel Using Gleeble Thermo-Mechanical Simulator
TP-8	15:50 hrs	<u>S. Samal</u> , M. R. Rahul, G. Phanikumar	IIT Madras	Hot Deformation Behavior and Processing Map of Multicomponent Co-Cu-Fe-Ni-Ti High Entropy Alloy
Tea/Coffee Break (16:05-16:15 hrs)				
<u>SESSION II (16:15-18:35 hrs)</u>				
TP-9	16:15 hrs	S. Patra, A. Karmakar, M. Mandal, V. Kumar, <u>D. Chakrabarti</u>	IIT Kharagpur	Development of ultra-fine and bimodal grain structures in low-carbon steel using Gleeble3500@ simulator
TP-10	16:35 hrs	<u>A. A. Shaikh</u> , B. P. Kashyap, A. Chauthai	Bharat Forge Pune	Identification of Favorable Hot Working Condition for Ti-6Al-4V Alloy
TP-11	16:50 hrs	<u>S. Patra</u> , V. Kumar, D. Chakrabarti, L. K. Singhal	IIT Kharagpur	Investigation of hot-deformation behaviour of as-cast 2101 Duplex stainless steel using Gleeble® simulator
TP-12	17:05 hrs	<u>V. Rajinikanth</u> , S. Manik, K. Mohammed, S. G. Chowdhury, S. Sangal	CSIR-NML Jamshedpur	Determination of no-recrystallization temperature (T _{nr}) of X80 pipeline steel
TP-13	17:20 hrs	<u>P. Tripathi</u> , I. Chakradhar, P. Rao, R. Desai	JSW Steel Toranagallu	Thermo-Mechanical Simulation of Continuous Annealing And Galv annealing Process
TP-14	17:35 hrs	<u>M. R. Rahul</u> , G. Phanikumar	IIT Madras	HAZ Simulation and Deformation Studies In Ti-15-3 Alloy Using Gleeble®
TP-15	17:50 hrs	<u>K. Mukherjee</u> , D. K. Matlock	CSIR-NML Jamshedpur	Simulation of Bar Rolling in Gleeble
TP-16	18:05 hrs	A. Kumar, <u>S. Kumari</u> , S. Singh, K. Gopinath, B. Prasad	DMRL Hyderabad	Feasibility Study on High temperature Tensile Testing of Cf-Sic composites through Joule Heating
TP-17	18:20 hrs	<u>G. Sahoo</u> , V. Kumar, B. Singh, A. Saxena	RDCIS Ranchi	Hot Ductility Study on High Phosphorus Containing Cu-Cr Low Alloy Steel

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SESSION III (09.00-11.30 hrs)

TP-19	09:00 hrs	<u>G. R. Mishra, S. Kundu</u>	Tata Steel Jamshedpur	Development of medium Mn steel with TWIP effect
TP-20	9:20 hrs	<u>S. Roy, S.B. Singh</u>	IIT Kharagpur	Deformation Behaviour in Low Carbon Steels
TP-21	9:35 hrs	<u>M. Rai, S.K. Nath</u>	IIT Roorkee	Effect of thermal cycling heat treatment on mechanical properties of a low carbon steel
TP-22	9:50 hrs	<u>M. I. Mehta, B. P. Kashyap, R. K. P. Singh</u>	Bharat Forge Pune	Study on Flow Properties of Rotor Grade Steel
TP-23	10:05 hrs	<u>G. M. Karthik, L. R. Bhagavathi, E. N. Kumar, G. D. J. Ram, R. S. Kottada</u>	IIT Madras	Effect of Friction Stir Processing on Heat-Affected Zone Liquefaction Cracking Resistance of Aluminum-Copper Alloy AA 2219
TP-24	10:20 hrs	<u>A. J. Dawari, B. P. Kashyap, B. Adak</u>	Bharat Forge Pune	Determination of Adiabatic Temperature Rise During High Strain Rate Deformation of Ti-6Al-4V Alloy
TP-25	10:35 hrs	<u>A. Kumar, R. K. P. Singh, V. Kumar</u>	Bharat Forge Pune	Kocks- Mecking Approach to Study the Hot Deformation Behavior of Austenitic Steel
TP-26	10:50 hrs	<u>Md. I. Equbal, R. K. Ohdar, P. Talukdar, V. Kumar</u>	NIFFT Ranchi	Parametric Optimization of Hot Compression Process of medium carbon Steel By Using Taguchi Method
TP-27	11:05 hrs	<u>K. Pan</u>	DTS Mumbai	(a) Hydrogen Determination in High Strength Steel
		<u>S. Nadkarni</u>		(b) Steel Cleanliness Analysis by Optical Emission Spectrometer PDA

Tea/Coffee Break (11:30-11:45 hrs)

SESSION IV (11:45-13:35 hrs)

TP-2	11.45 hrs	<u>S. Mukherjee</u>	Tata Steel Jamshedpur	Use of Gleeble systems and its advanced MCUs for new product development at Tata Steel Limited
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TP-29	12:05 hrs	<u>S. Ghosh</u> , A. K. Singh, S. Mula	IIT Roorkee	Development of ultrafine grained IF-Steel through multidirectional forging
TP-30	12:20 hrs	<u>C. N. Athreya</u> , A. Kumar, S. Suwas, V. S. Sarma	IIT Madras	Microstructure evolution during high temperature deformation of Ni
TP-31	12:35 hrs	<u>C. Ghosh</u> , J. J Jonas	Tata Steel Jamshedpur	Interpretation of the torsion test data in terms of varying twist and twist rate sensitivities
TP-1	12:50 hrs	<u>K. Arun Babu</u> , C. N. Athreya, A. Kumar, S. Mandal, B. de Boer, V. S. Sarma	IIT Madras	Study of deformation map and microstructure of Alloy 617
TP-18	13:05 hrs	<u>A. Sarkar</u> , A. N. Behera, R. Kapoor, J. K. Chakravartty	BARC Mumbai	High temperature strain rate change test on cast Zircaloy 4 using Gleeble 3500
TP-34	13:20 hrs	<u>S. Kundu</u> , R. Maladkar, A. K. Singh, M. M. Hussain	BARC Mumbai	Role of precipitate in strain induced martensitic transformation during cold deformation of SS 321
Lunch Break (13.35-14.30 hrs)				
Venue : Food Court				
<u>SESSION V (14.30-16.45 hrs)</u>				
TP-35	14:45 hrs	S. Kumar, T. Kumar, A. Kumar, V. C. Srivastava, <u>G. K. Mandal</u>	CSIR-NML Jamshedpur	Dynamic recrystallisation of API X80 grade microalloyed steel during hot deformation
TP-38	14:30 hrs	D. Verma, N. K. Mukhopadhyay, G. V. S. Sastry, <u>R. Manna</u>	BHU Varanasi	Ultra High Strength Interstitial-Free Steel Processed By Equal-Channel Angular Pressing at Large Equivalent Strain
TP-36	15:00 hrs	<u>P. Pathak</u> , A. Karani, M. Shome	Tata Steel Jamshedpur	Development of HSLA steel with high Temperature tensile properties
TP-37	15:15 hrs	<u>S. S. Patil</u> , S. S. Kirwai, S. Kumar, A. R. Patil, R. S. Mane	Bharat Forge Pune	Effect of Surface Treatments on Flexural Fatigue Strength of Tool Steel (H-13)
TP-41	15:30 hrs	<u>N. Gupta</u> , S. K. Sen, A. Garg, W. Arora, V. Tyagi	NIFFT Ranchi	Effect of Carbon Content and Thermo mechanical Processing on Spheroidization studied by DTA/TGA
TP-39	15:45 hrs	<u>D. Kumar</u>	IIT Kharagpur	A Comparative study of Martensite formation in high manganese steels

TP-33	16:00 hrs	S. Sharma, B. Ravi Kumar, B. P. Kashyap, N. Prabhu	CSIR-NML Jamshedpur	A Comparison between Strain Heterogeneity of a Cold Rolled 304L Sample after Isothermal Annealing and Interrupted Annealing Process
TP-40	16:15 hrs	<u>S. Kumar</u> , R. Kumar, A. K. Pandey	NIT Warangal	Toughness behavior Study of Stimulated Weld Heat Affected Zone in SA 508, Class 3 Material for Nuclear Power Plant Application
TP-42	16:30	<u>S. Kumar</u> , S. K. Nath	IIT Roorkee	Effect of peak temperature on microstructure and mechanical properties of simulated weld heat affected zone in a micro alloyed steel