

Schedule

International Conference on Interstitial Free Steels: *Manufacturing & Applications* (IF STEEL 2010)

15-17 February 2010, Jamshedpur, India
Shavak Nanavati Technical Institute (SNTI) Auditorium

15 February 2010

08.00 - 09.00: Registration

09.00 - 09.30: Inauguration

09.30 - 11.00: Plenary Session

Speakers	Topic	Category
Debanshu Bhattacharya Arcelor Mittal	Metallurgical perspectives on interstitial-free steels	<i>Keynote</i>
HKDH Bhadeshia Cambridge University	Phase transformations during spot welding of interstitial-free steel	<i>Keynote</i>
Masato Enomoto Ibaraki University	Computer simulation of precipitation in ultra-low and low carbon steels	<i>Keynote</i>

11.00 - 11.30: High Tea

11.30 - 13.00: Technical Session I

Speakers	Topic	Category
A K Das Essar Steel	Status and progress on IF steel grades in Essar Steel	<i>Keynote</i>
Pradip Patra Ispat India Ltd	IF steel making: experience at Ispat India	<i>Contributory</i>
B Sarkar RDCIS, SAIL	Processing and application of IF grade steel: prospects in SAIL	<i>Contributory</i>
Lokesh K Paliwal Mahindra & Mahindra	Application of IF steels in automotive industry and current trends	<i>Contributory</i>

13.00 - 14.00: Lunch Break

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14.00 – 15.45: Technical Session II

Speakers	Topic	Category
Seetharaman Sridhar Carnegie Mellon University	A simulation of transient ladle reactions in melts containing Fe-Al-O and Fe-Al-Ti-O	<i>Keynote</i>
Sekhar Banerjee Tata Steel	Enhanced RH-MFB performance at Tata Steel	<i>Contributory</i>
Robert Robey SMS Mevac UK Ltd	Optimisation of the RH degassing process for producing interstitial-free (IF) steels	<i>Contributory</i>
TK Roy Tata Steel	Measurement of cleanliness of interstitial-free steel	<i>Contributory</i>

15.45 – 16.15: Tea Break

16.15 – 18.00: Technical Session III

Speakers	Topic	Category
Surya R Kalidindi Drexel University	Building knowledge systems for the design and processing of materials with customized performance characteristics	<i>Keynote</i>
Itishree Mohanty Tata Steel	Optimization of tensile properties of cold rolled IF steel sheets	<i>Contributory</i>
Basudev Bhattacharya Tata Steel	Improvement of Lankford parameter for batch annealed high strength IF steel by controlling crystallographic texture	<i>Contributory</i>
Hardy P. Mohrbacher NiobelCon bvba, Schilde	Niobium based metallurgical concepts and strategies for the production of IF-HS and IF-BH steel grades	<i>Keynote</i>

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09.30 – 11.00: Technical Session IV

Speakers	Topic	Category
Indradev Samajdar IIT, Mumbai	Origin of recrystallisation texture in IF Steel	<i>Keynote</i>
Leo Kestens Ghent University	Texture and structure control in ultra-low carbon steels by non-conventional sheet manufacturing processes	<i>Keynote</i>
Peter Hodgson Deakin University	Influence of rolling temperature on textures and microstructures in Ti-IF steels	<i>Keynote</i>

11.00 – 11.30: Tea Break

11.30 – 13.30: Technical Session V

Speakers	Topic	Category
Laszlo Toth Metz University	Analysis of texture and r value variations in asymmetric rolling of IF steel	<i>Keynote</i>
Toshihiko Kuwabara TUAT (Japan)	Measurement and modelling of deformation behaviour of ultra-low carbon steel sheet under biaxial tension	<i>Keynote</i>
K Narasimhan IIT, Mumbai	Forming behaviour of IF steel sheet based TWBs	<i>Keynote</i>
Kwansoo Chung Seoul National University	Numerical simulation of hot press forming for automotive steels	<i>Keynote</i>

13.30 – 14.30: Lunch Break

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14.30 – 16.00: Technical Session VI

Speakers	Topic	Category
KK Ray IIT, Kharagpur	Fatigue and fracture behaviour of thin sheets	<i>Keynote</i>
P C Chakraborti Jadavpur University	Engineering stress controlled ratcheting behaviour of a titanium stabilized interstitial-free steel	<i>Contributory</i>
S Sivaprasad NML, Jamshedpur	Fatigue behaviour of spot welds in automotive sheet steels	<i>Contributory</i>
Vikas Jindal IT-BHU	Severe plastic deformation of IF steel in austenitic temperature region	<i>Contributory</i>

16.00 – 16.30: Tea Break

16.30 – 18.15: Technical Session VII

Speakers	Topic	Category
T Deb Roy Penn. State University	Behaviour of interstitials through weld pool modelling	<i>Keynote</i>
Tapan K Pal Jadavpur University	Spot welding characteristics of IF steel sheets	<i>Contributory</i>
A K Verma Tata Steel	Study of galvannealing behaviour of IF steel using computer simulation	<i>Contributory</i>
P D Nandi Quaker Chemicals	Determination and application of Stribeck curve in development of steel cold rolling lubricants	<i>Contributory</i>
Ashok Kumar Henkel C. Surface Tech.	Trication zinc phosphate for galvanneal substrate for fuel tank painting process	<i>Contributory</i>

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09.30 – 11.30: Technical Session VIII

Speakers	Topic	Category
O N Mohanty BPUT	Bake hardening in ULC Steels – an appraisal	<i>Keynote</i>
Jai-Hyun Kwak POSCO	Metallurgical factors affecting bake-hardenability of ultra-low carbon steels	<i>Keynote</i>
Mohit Singla HAL, Bangalore	Thermo-mechanical behaviour of interstitial-free (IF) steel	<i>Contributory</i>
MM Humane NML, Jamshedpur	Formation of textures in high strength - high formable interstitial-free steel sheets	<i>Contributory</i>
Jai Gautam Ghent University	Heterogeneous phase transformation texture evolution in low alloyed ULC steel sheets	<i>Contributory</i>

11.30 – 12.00: Tea Break

12.00 – 13.30: Technical Session IX

Speakers	Topic	Category
R K Ray Tata Steel	Precipitation in batch annealed interstitial-free high strength (IFHS) steels – thermodynamic prediction and actual observations	<i>Keynote</i>
Claude Esling Metz University	Effect of high magnetic field annealing on recrystallization nucleation and texture in a cold-rolled interstitial-free steel	<i>Keynote</i>
Elena V Pereloma University of Wollongong	Microstructure and texture characterization of warm rolled and annealed steels	<i>Keynote</i>

13.30 – 14.30: Lunch Break

14.30 – 15.30: Valedictory Session