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TMCP – A Decade of Progress, Where Next?

Thermo-mechanical Controlled Processing (TMCP) – The role of Niobium

10th July 2013
The Royal Society

09.30	Assemble and Coffee	Marble Hall, The Royal Society, UK
10.00	Welcome & Introduction	Dr Naila Croft, Beta Technology, UK Dr Phil Kirkwood, Cresswell Consultants, UK (Chair)
10.10	The Royal Society	Professor Martyn Poliakoff CBE FRS, The Royal Society, UK
10.15	The Charles Hatchett Award 2013 Lecture: “Strengthening Mechanisms and Their Relative Contributions to the Yield Strength of Microalloyed Steels”	Dr Junfang Lu, Enbridge Pipelines Inc., Canada
10.45	Application of Nb in TMCP Steel Plates for Linepipe and Structural Applications	Volker Schwinn, Dillinger, Germany
11.05	Production of Helical Two Step Pipe - Use of Microalloying Elements to Improve Strength for Grades up to X70 with Sour Service Resistance	Dr Franz Martin Knoop, Salzgitter Mannesmann Großrohr, Germany
11.25	Coffee	
11.55	Advances in Thermo-Mechanical Rolling of Nb Microalloyed Steel in Compact Strip Rolling	Professor Mani Subramanian, McMaster University, Canada
12.15	Review on Thermo-Mechanical Control Steel Plates and their Commercialisation	Dr Kazutoshi Ichikawa, Nippon Steel & Sumitomo Metal Corporation, Japan
12.35	Low Carbon HTP Structural Steel: a Paradigm Shift	Dr J Malcolm Gray, Microalloyed Steel Institute, USA and Dr Phil Kirkwood, Cresswell Consultants, UK
12.55	Concluding Remarks	Dr Eduardo Ribeiro, CBMM, Brazil
13.15	Lunch	

Organised by: [Beta Technology](http://beta-technology.com) on behalf of [CBMM](http://cbmm.com)
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