

GIFT-WCU Project Workshop

Ultra High Performance Steels for Eco-friendly Automotive Application

July 6(TUE), 2010

Pohang, Korea

1. Venue

- GIFT Auditorium (#107), GIFT Building, POSTECH, Pohang, Korea

2. Speakers

- Dr. Kwang-Geun Chin, POSCO
- Professor Tadashi Furuhashi, Tohoku University, Japan
- Professor Yoshitaka Adachi, NIMS, Japan
- Professor Kyung-Tae Park, Hanbat National University
- Professor Young-Kook Lee, Yonsei University
- Professor Chong-Soo Lee, POSTECH
- Professor Nack-Joon Kim, POSTECH
- Professor De Cooman, POSTECH
- Professor Barlat, POSTECH
- Professor Bhadeshia, POSTECH
- Professor Yang-Mo Koo, POSTECH

3. Participants

- Research Professors Dong-Woo Suh, Jae-Sang Lee, Se-Kyun Kwon, Hansoo Kim

4. Program (GIFT Lecture Hall: #107, Please be seated by 09:10AM)

August		Program	Remarks
July 6 (TUE)	09:15– 09:30	● Welcoming Address: Professor Nack Joon KIM	Dean of GIFT
	09:30 – 10:10	● Dr. Kwang-Geun CHIN: Invited Talk 1 Characteristics of newly developed TWIP steels at POSCO	
	10:10 – 10:50	● Professor Young-Kook LEE: Invited Talk 2 Microstructure and tensile properties of medium Mn TRIP steels	
	10:50 – 11:30	● Professor B. C. DE COOMAN: WCU Talk 1 Isothermal martensite transformation: Technological implications	
	11:30 – 12:30	● Lunch	Rooftop
	12:30 – 13:10	● Professor Tadashi FURUHARA: Invited Talk 3 Strain accommodation in martensitic transformation	
	13:10 – 13:50	● Professor Nack Joon KIM: Invited Talk 4 Low temperature mechanical properties of high Mn steels	
	13:50 – 14:30	● Professor Harry BHADESHIA: WCU Talk 2 Delta-TRIP steel	

July 6 (TUE)	14:30 – 14:50	● Discussion with Refreshment	
	14:50 – 15:30	● Professor Yoshitaka ADACHI: Invited Talk 5 Topology and differential geometry-based 3D-characterization of microstructure	
	15:30 – 16:10	● Professor Kyung-Tae PARK: Invited Talk 6 Austenite deformation in two different austenite-ferrite steels: High Mn-Al steel and Mn-N stainless steel	
	16:10 – 16:50	● Professor Yang-Mo KOO: WCU Talk 3 Characterization of high manganese steels using anisotropic line profile analysis of powder diffraction	
	16:50 – 17:00	● Refreshment Break	
	17:00 – 17:40	● Professor Chong-Soo LEE: Invited Talk 7 Role of ϵ -martensite on the hydrogen delayed fracture of high Mn steels	
	17:40 – 18:20	● Professor Frederic BURLAT: WCU Talk 4 Hole expansion modeling of high Mn steel	
	18:20 – 18:30	● Concluding Address: Professor Harry BHADESHIA	WCU Professor
	19:00 – 21:00	● Workshop Dinner	PIC



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Map of POSTECH Campus