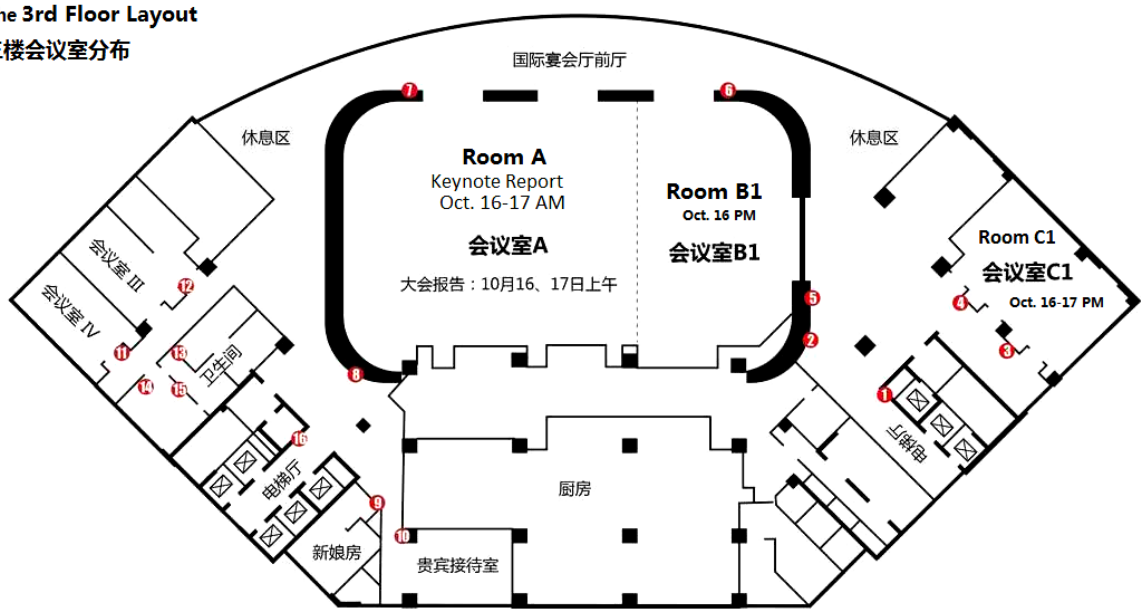
ICHSU 2015 Conference room Guide

The 3rd Floor Layout
三楼会议室分布



The 5th Floor Layout
五楼会议室分布

ICHSU 2015 Conference Program

Friday, October 16, 2015 (Day 1)

* Speaker, Chairman of Session, may be part of the change

Time	Title	Speaker	Chairman
	Conference Room A：Opening Session & Keynotes (Max. 500 persons)		
8:30	Opening Session - Welcome Speech	Jianguo Lin, Conference Chairman	**Prof. Jianguo Lin**
8:40	615146 Meeting the automotive industry challenges and evolution of the PHS market. Usibor®1500 offer.	Ma Jieli (Valin Arcelor Mittal Automotive Steel Co., Ltd. (VAMA))	**Prof. Jianguo Lin**
9:05	615122 Updates for development and application of automotive high strength steel in WISCO	L. J. Li; Z. C. Ye (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN)	
9:30	615131 The direct press hardening process for Zn-coated ultra-high strength steels	Daniel (Gestamp TECHNOLOGY, TOOLING & EQUIPMENT)	
9:55	615119 Hot forming of medium Mn steels with TRIP/TWIP effects	P. Hodgson; M. H. Cai; B. Rolfe (Deakin University, Victoria, AUS)	
10:20	**Refreshment Break**		
10:40	615123 Prediction of thinning behavior for complex-shaped, lightweight alloy panels formed through a hot stamping process	A. D. Foster (Department of Mechanical Engineering, Imperial College London, UK)	**Dr. Mingtu Ma**
11:05	615121 Advanced design of continuous furnace for hot stamping line	B.Dvorak; J.J.Tawk (Automotive design, **Benteler** Mechanical engineering, Liberec, CZE); T. Vit (Technical University of Liberec, Liberec, CZE)	
11:30	615024 Tribology in hot stamping of boron steel sheets	S. Bruchi; A. Ghiotti; F. Medea (University of Padova, Padova, ITA)	
11:55	**Group photo**		
12:30	**Lunch**		

Friday, October 16, 2015 (Day 1)

	Conference Room B1 (**Max. 250 persons**): **Materials & Testing - *Session 1*** *The Forum of WISCO & Deakin University*		
13:30	615038 Microcacks in galvannealed hot stamping 22MnB5 steel	G. W. Feng; Y. J. Bi; S. Y. Zhou; F. Fang (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN)	**Dr. Yunjie Bi**
13:50	615118 Understanding wear conditions during hot stamping	M. P. Pereira; A. Abdollahpoor; B. F. Rolfe (Deakin University, Victoria, AUS); P. Zhang; C. Wang (Hefei University of Technology, Hefei, CHN)	
14:10	615052 Research on tailored mechanical properties of different non-boron alloyed steels by hot stamping	R. Ge; S.Y. Zhou; Y. J. Bi (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN); P. Lin; Z. H. Liu (Dongfeng Die and Stamping Technologies Corp., Wuhan, CHN)	
14:30	615116 Experimental investigation of the tailored hot stamping parts	A. Abdollahpoor; M. P. Pereira; B. F. Rolfe (Deakin University, Victoria, AUS); Z. J. Wang; Y. S. Zhang (Huazhong University of Science and Technology, Wuhan, CHN)	
14:50	615126 Selective oxidation behaviors of a DP780 steel during hot-dip galvanizing process	F. Huang; Y. Chen; F. Fang; X. F. Du; F. Y. Sun; L. B. Pan (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN); F. Huang (Wuhan University of Technology, Wuhan, CHN)	
15:10	615022 Microstructure and mechanical properties of Fe-18Mn-10Al-1.2C steel	D. Han; H. Ding; Z. H. Cai; Z. Q. Wu; J. Zhang (Northeastern University, Shenyang, CHN)	
15:30	**Refreshment Break**		
15:50	615042 Coating quality of hot dipped steel with different zinc bath chemistries and air knife flow rates	F. Fang; Y. M. Chen; J. W. Li (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN); G. Wang (China,Dongfeng Peugeot Citroen Automobile Company Ltd., Wuhan, CHN)	**Dr.Bornarde. Rolf**
16:10	615132 Impact of alloying design on the crash relevant material properties of press hardening steel based on Mn-B concept	J. Bian (Niobium Tech Asia; SGP); H. Z. Lu; W. J. Wang (CITIC Metal; Beijing; CHN)	
16:30	615040 Strain rate sensitivity of a ferrite and martensite dual phase steel	Q. S. Wu; X. Wei; Y. L. Wang (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN); L. Q. Heng (Dongfeng Motor Corporation, Wuhan, CHN)	
16:50	615011 Development of high strength boron alloyed steel	J. C. Jin; H. R. Gu; Y. G. Liu; W. Zhang; H. Zhan; Y. Y. Ji (Auto sheet strategic business unit of Ma'anshan Iron and Steel Company, Ma'anshan, CHN)	
17:10	615043 Research and development of self-lubricated galvanized steel sheet for automobile.	R. Du; Y. Q. Tu; Z. H. Lei; H. P. Bai; Y. F. Song; D. B. Huang (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN)	
17:30	615033 Elevated plastic flow behavior of high strength boron steel based on the modified Zerilli-Armstrong model	J. Lu; L. Hua; Y. L. Song; J. N. Liu; Y. Han (Wuhan University of Technology, Wuhan, CHN)	
17:50	**End of day 1**		

Friday, October 16, 2015 (Day 1)

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	Conference Room B2 (Max. 250 persons): Equipment manufacturers Forum		
13:30	Sophisticated Tool Steels for Hot Stamping Applications	Reinhard Rahn and Ingolf Schruff (Kind Special Alloys Asia Ltd)	**Prof. Yisheng Zhang**
14:00	Latest state of furnace technology for heat treatment at press hardening,	Harald Lehmann (Schwartz Heat Treatment Systems Asia (Kunshan) Co.,Ltd)	
14:30	Key to the future - Schuler Advanced Hot forming Technology	Bill Bei (Schuler Sales & Service Co.,Ltd.)	
15:00	Application of laser processing technology in the field of hot forming and new breakthrough	Pei Jin (Prima Power, beijing ,China)	
15:30	**Refreshment Break**		
15:50	New trends of Laser applications for press hardening parts manufacturing	Dr. Joe Ji (TRUMPF (China) Co., Ltd.)	
16:20	The latest research and development of the application of servo direct drive press in the field of hot stamping	Aitor Ormaetxea (FAGOR ARRASATE)	
16:50	An overview of temperature assisted forming of aluminium and steel	Dr. Christian Koroschetz (AP & T)	
17:20	The latest automation technology for Hot Stamping Line	OYABE SEIKI Co.,Ltd	
17:50	3D Laser Cutting Robot Solutions：Innovative Application in Hot Stamping Pieces	Zhiqing Zhen (Stäubli (Hangzou) Mechatronics Co. Ltd.)	
18:20	**End of day 1**		

Friday, October 16, 2015 (Day 1)

	Conference Room C1 (Max. 120 persons): Modeling & Simulation		
13:30	615088 Numerical simulation and experimental verification of aluminum alloy tensile behavior at elevated temperature	Y. Liu; Y. G. Zhu; L. Ying; P. Hu (Dalian University of Technology,CHN)	**Prof. F. K. Chen**
13:50	615090 The research on carbon partition model and calculation of Q&P steel	H. Chen; C. N. Jing; X. Y. Feng; K. L. Qiu (Shandong Jianzhu University,CHN)	
14:10	615035 Function relationship between structural characteristics of automotive beam parts and wrinkling in hot stamping	Y. H. Shen; Y. L. Song; L. Hua; L. Yang; Z. X. Lv (Wuhan University of Technology,CHN)	
14:30	615120 Finite element simulation for hot stamping of automobile pillar inner panel	F. X. Jin; Z. Shen; Y. Bian; Z. P. Zhong (Beijing Research Institute of Mechanical and Electrical Technology,CHN)	
14:50	615012 Dynamic deformed behavior and optimization design of high strength steel TWB structures	F. X. Xu (Wuhan University of Technology, CHN)	
15:10	615048 Resistance spot welding test of 1300HF hot forming steel	Y. H. Hu; Z. J. Huang; R. Ge; J. G. Hu (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN)	
15:30	**Refreshment Break**		
15:50	615087 Multi-objective optimization for school bus rollover safety with hot-formed steel side structures	Y. Yu; K. Hu; L. Ying; W. B. Hou; P. Hu (Dalian University of Technology, CHN)	**Dr. Guangying Li**
16:10	615006 FEM simulation analysis of the effect of air gap on spot induction hardening process	Y. Wang; Z. Wang; X. P. Qin; K. Gao (Wuhan University of Technology, CHN)	
16:30	615030 Inverse method to investigate thermal behavior for hot stamping	C. Wang (Wuhan University of Technology, CHN)	
16:50	615086 Inverse estimation of interfacial heat transfer coefficient between blank and die in hot stamping	B. He; L. Ying; P. Hu (Dalian University of Technology, CHN)	
17:10	615145 Numerical simulation on cooling system of hot stamping mold In B- Pillar	G. J. Chen; Y. Zhang; W. Shen; L. J. Qin; N. Deng (Dongguan Vision Hot Stamping Technology Co.CHN)	
17:30	615004 Application of high strength cold-formed steel in bus body structural lightweight	H. H. Luo; Z. Z. Liu (R & D Center of Wuhan Iron and Steel (Group) Corp., Wuhan, CHN); J. G. Ruan; Y. C. Wan; S. W. Zhu (WISCO JIANGBEI COLD-FORMED CO. LTD, Wuhan, CHN)	
17:50	**End of day 1**		

ICHSU 2015 Conference Program

Saturday , 17th October, 2015. (Day 2)

* Speaker, Chairman of Session, may be part of the change

Time	Title	Speaker	Chairman
	Conference Room A: Keynotes (Max. 500 persons)		
8:00	***615130*** Lightweight design with temperature assisted forming of steel and aluminium sheets	Dr. Christian Koroschetz (AP&T, Ulricehamn, SWE)	Dr. **B. F. Rolfe**
8:25	615128 Hot Stamping of Medium-Mn TRIP Steel below 850°C	Qihang Han, Wenzhen Bi, Xinyan Jin, Weili Xu and Li Wang; Jeff Wang; (Research Institute, Baoshan Iron & Steel Co.,Ltd, Shanghai,CHN; China Science Lab,GM Global research & Development, Shanghai, CHN)	
8:50	615110 Research on high strength steel hot stamping technology and equipment	Y. L. Wang; B. Zhu; Y. S. Zhang (Huazhong University of Science and Technology, Wuhan, CHN)	
9:15	615027 Recent developments and challenges in hot stamping of high strength steels	J. P. Lin; F. F. Li (Tongji University, Shanghai, CHN); J. Y. Min (Ruhr-Universität Bochum, Bochum, GER)	
9:40	615001 Tendency of heat treatment of large workpieces: novel ATQ technology	X. W. Zuo; N. L. Chen; Y. H. Rong (Shanghai Jiao Tong University, Shanghai, CHN)	
10:05	**Refreshment Break**		
10:25	615137 Experimental platform development and forming die design for hot stamping process	F. K. Chen; T. H. Hung; C. S. Lee (National Taiwan University, Taipei, TWN); C. H. Hung(National Chiao Tung University, Hsinchu, TWN); T.B. Huang; P. K. Lee (St. John's University, New Taipei City, TWN)	Prof. **S. Bruchi**
10:50	615117 Advances in tailored hot stamping – innovations in material and local patchwork topology	B. F. Rolfe; A. Abdollahpoor; M. P. Pereira; H. Kong; E. Pavlina; M. Cai; D. Fabijanic (Deakin University, Victoria, AUS); K. Hu; R. Han; L. Pan; Y. Bi (Research and Development Center of WISCO., Wuhan, CHN); Z. Wang; Y. Zhang (Huazhong University of Science and Technology, Wuhan, CHN)	
11:15	615034 Optimal design and hot stamping of B-pillar reinforcement panel with variable strength based on side impact	Y. L. Song; Y. Han; L. Hua; J. Lu; C. Yu (Wuhan University of Technology, CHN)	
11:40	615129 Development of advanced high strength steel and lightweight heat forming technology for automobile sheets	Y. G. Liu; W. Zhang (Auto sheet strategic business unit of Ma'anshan Iron and Steel Company, Ma'anshan, CHN)	
12:05	**Lunch**		

Saturday , 17th October, 2015. (Day 2)

* Speaker, Chairman of Session, may be part of the change

	Conference Room B1 (**Max. 250 persons**): **Materials & Testing - *Session 2*** *The Forum of WISCO & Deakin University*		
13:30	615007 Experimental study on PHS1500 hot formed steel by surface modification	H. L. Liu; J. Huang; X. G. Wang; H. J. Kang; H. G. Gao (Research Institute of Plate Productes, Bengang Steel Plates Co., Ltd., Benxi, CHN)	**Dr. Zhongchao Ye**
13:50	615046 Effect of boron on microstructure and texture of interstitial free steel.	Z. F. Wang; L. X. Wu; S. B. Zhou; R. D. Han; H. E. Huang (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN)	
14:10	615029 Researches on the stamping performance of dual phase steel in tailor welded blanks	G. C. Liu (Wuhan University o f Technology, CHN); F. Li; H. C. Zhu (Research and Development Center of Wuhan Iron and Steel (group) Corporation, Wuhan, CHN); G. Wang (DEPA of Dongfeng Peugeot Citroen Automobile Company LTD, Wuhan, CHN)	
14:30	615114 Research on microstructure property and crack propagation behavior of cold-rolled hot dip galvanized DP780 dual phase steel	S. Kuang; X. M. Qi; Y. Han; W. L. Yu (Shougang Research Institute of Technology, Beijing, CHN)	
14:50	615115 Research on the microstructures and mechanical properties of two kinds of cold rolled DP980 steels	Y. Han; S. Kuang; X. M. Qi; C. Q. Xie; H. S. Liu; G. H. Lin (Shougang Research Institute of Technology, Beijing, CHN)	
15:10	615068 The effect of various process patterns on strain-fatigue property of DP780 steel-experiments and simulations	Y. Zhao; M. T. Ma; G. Y. Wang; Y. C. Ling; G. Fang; X. M. Wan (China Automotive Engineering Research Institute Co., Ltd., Chongqing, CHN)	
15:30	**Refreshment Break**		
15:50	615021 Microstructures and mechanical properties of a martensitic stainless steel sheet for hot stamping with higher strength-ductility	L. J. Wang; C. M. Liu (Northeastern University, Shenyang, CHN)	**Prof. Lingxue kong**
16:10	615077 Study on mechanical properties and failure modes of hot forming steel under different strain rates	G. Fang; J. P. Zhang; Q. S. Jin (China Automotive Engineering Research Institute Co., Ltd., Chongqing, CHN)	
16:30	615089 EBSD analysis of laser welded joints for dissimilar steels with different thicknesses	C. N. Jing; H. Chen; J. C. Fan; P. Liu; H. X. Li (Shandong Jianzhu University; Jinan; CHN)	
16:50	615148 Analysis on experimental techniques for generating FLD at elevated temperatures	Z. Shao; N. Li; D. J. Politis; Q. Bai; J. Lin (Imperial College London, London, UK)	
17:10	615039 Continuous cooling transformation of 1500 Mpa grade hot stamping steel	W. Y. Liu; K. H. Hu; G. L. Yuan; J. P. Zheng (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN)	
17:30	615148 A New Invention of Press-hardened Steel Achieving 1880MPa Tensile Strength Combined with 16% Elongation in Hot-stamped Parts	H.L.Yi, P. J. Du and X.C. Xiong (The State Key Laboratory of Rolling and Automation, Northeastern University, CHN)	
17:50	**End of day 2**		

Saturday , 17th October, 2015. (Day 2)

* Speaker, Chairman of Session, may be part of the change

	Conference Room C1 (Max. 120 persons): Tribology and Tools materials		
13:30	615138 Development of a friction testing apparatus and friction behavior of boron steels with different surface coatings	C. H. Hung; W. L. Lo (National Chiao Tung University, Hsinchu, TWN); T. H. Hung; H. K. Tsai; F. K. Chen (National Taiwan University, Taipei, TWN); S. W. Wang (China Steel Co., Kaohsiung, TWN)	**Prof. S. Bruchi**
13:50	615015 Simulation of tool shape change due to wear under press hardening conditions	L. Deng; M. Oldenburg; S. Mozgovoy (Luleå University of Technology, Luleå, SWE)	
14:10	615133 Experimental study on fatigue phenomena of hot working tools with CrN coating	P. Hu; Y. L. Si; L. Ying; C. Zhao; B. He (Dalian University of Technology, Dalian, CHN)	
14:30	615141 The influence of Re glow ionitriding on abrasion resistance of H13 mould material	M. T. Ma; Z. F. Sun; X. C. Yao; W. Shen; L. F. Song (China Automotive Engineering Research Institute Co., Ltd., Chongqing, CHN)	
14:50	615142 The influence of Re glow ion nitriding on hot fatigue properties of H13 die steel	M. T. Ma; Z. F. Sun; X. C. Yao; W. Shen; L. F. Song (China Automotive Engineering Research Institute Co., Ltd., Chongqing, CHN)	
15:10	615104 Mechanical link servo press on hot stamping production line	Q. Wang; L. Wang; Y. S. Zhang (Huazhong University of Science and Technology; Wuhan; CHN); L. M. Yao; Z. M. Ke (Xuzhou Metalforming Machine Group; Xuzhou; CHN)	
15:30	**Refreshment Break**		
15:50	615028 Robot-based automatic dimension inspection for hot stamping parts	L. Y. Han; Z. W. Li; K. Zhong; G. M. Zhan (Huazhong University of Science and Technology, Wuhan, CHN); Y. J. Huang (Wuzhou University, Wuzhou, CHN); G. Yang; M. Zhou (Wuhan University of Science and Technology, Wuhan, CHN)	**Prof. Kaiming Wu**
16:10	615099 Investigate of the mechanical and heat transfer performance of high strength steel hot stamping power fitting products	Y. M. Jin; Z. J. Wang; Y. S. Zhang (Huazhong University of Science and Technology, Wuhan, CHN)	
16:30	615003 Controlling spring back of high-strength steel based on shape adjustable bead	C. Y. Wang; X. Y. Zhang; C. Dai; S. Y. Wang; F. F. Guo (Hefei University of Technology; Hefei; CHN)	
16:50	615094 Experimental study of hot deep drawing of 5754 aluminum alloy sheets	S. B. Yin; Y. X. Liu; Y. L. Wang (Harbin Institute of Technology at Weihai, Weihai, CHN)	
17:10	615147 The cold bending cracking analysis of hot stamping door bumper	M. T. Ma; Y. Zhao (China Automotive Engineering Research Institute Co., Ltd., Chongqing, CHN); H. Z. Lu; J. Bian; A. M. Guo (CITIC Metal Co., Ltd., Beijing, CHN); Z. F. Sun (New Materials Engineering Center of Chongqing, Chongqing, CHN)	
17:30	615071 Performance evaluation of hot pressed front bumper	J. P. Zhang; L. F. Song; G. Y. Wang; M. T. Ma (China Automotive Engineering Research Institute Co., Ltd., Chongqing, CHN)	
17:50	**End of day 2**		

Saturday , 17th October, 2015. (Day 2)

* Speaker, Chairman of Session, may be part of the change

	Conference Room C2 (Max. 120 persons): Process design		
13:30	615002 Research on hot stamping process for ultra-high strength steel with high product of strength and plasticity	S. S. Chen; X. H. Han (Shanghai Jiao Tong University, Shanghai, CHN); Y. Y. Zhong (SAIC Motor Technical Center, Shanghai, CHN)	**Prof. Ping Hu**
13:50	615127 Advanced hot forming treatment AHFT technology for high-strength-ductility Auto-Parts	G. Y. Li (Central Iron & Steel Research Institute; CISRI, Beijing, CHN); H. Li (Beijing University of Technology, Beijing, CHN)	
14:10	615112 Trial production of tailored hot stamping side impact beam	Y. Chen; H. Dong; C. Y. Wang (East China of Central Iron & Steel Research Institute (CISRI), Beijing, CHN)	
14:30	615064 Optimization design of side collision performance in whole car based on advanced hot stamping	Y. C. Ling; T. Q. Fan (China Automotive Engineering Research Institute Co., Ltd., Chongqing, CHN)	
14:50	615107 Making uniform quenching and partitioning treatment during hot stamping process	Z. D. Dong; P. X. Liu; B. Zhu; Y. L. Wang; Y. S. Zhang (Huazhong University of Science and Technology, Wuhan, CHN)	
15:10	615059 Investigation of hot-stamping to manufacture an automotive B-Pillar with strength of 1500MPa and its finite element analysis	X. Wei; R. Ge; Y. Q. Sun L. B. Pan (Research and Development Center of Wuhan Iron and Steel (Group) CORP., Wuhan, CHN); J. H. Mo (Huazhong University of Science and Technology, Wuhan, CHN)	
15:30	**Refreshment Break**		
15:50	615134 Mold cooling system design and analysis of M-type hot forming parts	X. G. Li; S. Yao; A. M. Zhao(University of Science and Technology Beijing, Beijing, CHN); N. Zhao; Q. Chen; J. W. Yang (Shougang Research Institute of Technology, Beijing, CHN)	**Prof.Lin Hua**
16:10	615139 Investigation of interface heat transfer coefficient in hot stamping processes	T. B. Huang (St. John's University, New Taipei City, TWN); T. H. Hung; F. K; Chen; W. T. Lin (National Taiwan University, Taipei, TWN); C. K. Chiu Huang (China Steel Co., Kaohsiung, TWN)	
16:30	615140 A Study on cooling system design for hot stamping tools	T. H. Hung; C. K. Liu; F. K. Chen(National Taiwan University, Taipei, TWN); P. K. Lee; S. W. Wang (China Steel Co., Kaohsiung, TWN)	
16:50	615101 Investigation on influence of rapid heating on austenitization of ultra-high strength steel	W. J. Tao; W. K. Liang; Y. S. Zhang (Huazhong University of Science and Technology, Wuhan, CHN)	
17:10	615092 Temperature characters for 6063 aluminum tube within resistance heating process for hot gas forming	G. N. Chu; M. Q. Ding; G. Liu (Shandong Jianzhu University, Jinan, CHN)	
17:30	615085 Investigation on formability of high strength aluminum sheet AA7075 with HFQ process	L. Ying; X. Z. Liu; Q. Y. Yan; P. Hu (Dalian University of Technology, Dalian, CHN)	
17:50	**End of day 2**		

Sunday , 18th October, 2015. (Day 3)

Visit to VAMA(8:30—12:30)

About VAMA

Valin ArcelorMittal Automotive Steel Co., Ltd., is a joint venture between Valin Steel and ArcelorMittal, with 51% and 49% shares held by each respectively. The company is headquartered in Loudi, Hunan, with a distribution network throughout the country. Sales and service centers in Changchun, Beijing, Shanghai, Guangzhou, and Chongqing ensure close proximity to customers. With more than 600 employees throughout China, VAMA is committed to providing light weighted automotive steel products and solutions, with high quality for the growing needs of the automobile industry in China.

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