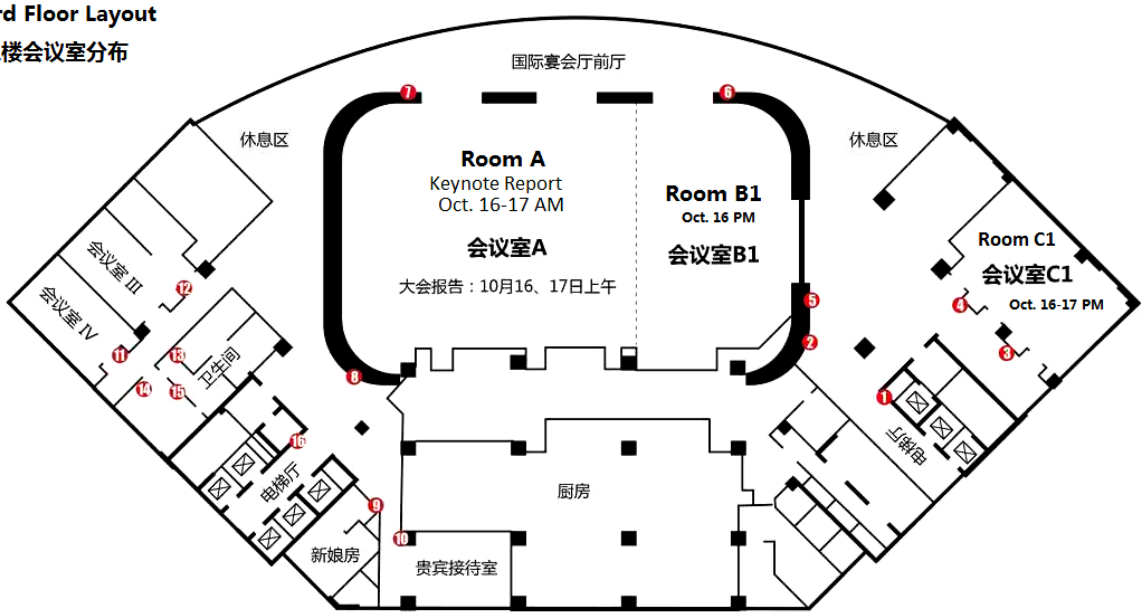
ICHSU 2015 Conference room Guide

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	JiangGuo Lin, Conference Chairman	**Prof. JiangGuo Lin**
8:40	615146 Meeting the automotive industry challenges and evolution of the PHS market. Usibor®1500 offer.	Jurgen Cobbaut (Valin Arcelor Mittal Automotive Steel Co., Ltd. (VAMA))	**Prof. JiangGuo 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	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)	
11:30	615128 Hot Stamping of Medium-Mn TRIP Steel below 850^{o}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)	
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	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)	
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	The latest research and development of the application of servo direct drive press in the field of hot stamping	Aitor Ormaetxea (FAGOR ARRASATE)	
16:20	An overview of temperature assisted forming of aluminum and steel	Martin Skrikerud (AP & T)	
16:50	The importance of automatic equipment	OYABE SEIKI Corp., Ltd	
17:20	3D Laser Cutting Robot Solutions：Innovative Application in Hot Stamping Pieces	Zhiqing Zhen (Stäubli (Hangzou) Mechatronics Co. Ltd.)	
17:50	New trends of Laser applications for press hardening parts manufacturing	Dr. Joe Ji (TRUMPF (China) 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 An overview of temperature assisted forming of aluminium and steel	Martin. Skirkerud; C. Koroschetz (AP&T, Ulricehamn, SWE)	Dr. **B. F. Rolfe**
8:25	615024 Tribology in hot stamping of boron steel sheets	S. Bruchi; A. Ghiotti; F. Medea (University of Padova, Padova, ITA)	
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	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)	
12:10	**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	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)	**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)

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	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**		