

Metal Forming 2010, Hotel Nikko Toyohashi

September 19-22, 2010, Toyohashi, Japan

Conference Schedule

	Sept. 19 (Sun)	Room	Sept. 20 (Mon)	Sept. 21 (Tue)	Sept. 22 (Wed)
08:30-10:00		4	08:30- Registration 09:00-09:15 Opening Ceremony: TUT President Yoshiyuki Sakaki 09:15-10:00 Plenary 1: Masayuki Miyanishi (P. Hartley)	08:30-10:00 Plenary 2: Kozo Osakada Plenary 3: Gerhard Hirt (M. Pietrzyk)	09:15-10:00 Plenary 4: Zbigniew Pater (J. Lin)
10:00-10:20			Break		
10:20-12:20		1	E1-6 (C.-P. Eckold)	E19-24 (D. Banabic)	E37-42 (I. Flitta)
		2	B1-6 (K. Osakada)	B19-24 (G. Liu)	B31-35 (A. Gontarz)
		3	D0-5 (K. Manabe)	C1-6 (J. Luksza)	C13-18 (K. Yoshida)
		4	A0-5 (H. Utsunomiya)	A18-23 (Z. Gronostajski)	A36-41 (M. Asakawa)
		5	G0-5 (G. Hirt)	G18-23 (H. Long)	F13-18 (R. Kolleck)
12:20-13:40	6	M0-5 (T. Kuwabara)	I0-5 (M. Fukumoto)	I18-21 (L. Fratini)	
	7	J0-5 (Y. Qin)	L0-5 (H. Miura)	L12-16 (L. Lang)	
		Lunch: Sky banquet Le Mont (30F), Japanese restaurant Fujisawa (1F), Chinese restaurant Hokaro (2F)			
13:40-15:40	12:00- Registration 13:30-17:40 Pre-conference seminar, Room 4	1	E7-12 (B.-S. Kang)	E25-30 (S.-H. Zhang)	E43-48 (Z.B. Zhang)
		2	B7-12 (M.S. Joun)	B25-30 (T. Ishikawa)	N6-11 (R. Loge)
		3	D6-11 (M. Bakhshi-Jooybari)	C7-12 (W.Z. Misiolek)	C19-24 (J. Majta)
		4	A6-11 (Y. Chastel)	A24-29 (M. Salimi)	A42-47 (Z. Pater)
		5	G6-11 (J. Cao)	F1-6 (F. Yoshida)	F19-24 (J. Yanagimoto)
		6	M6-11 (F. Barlat)	I6-11 (Y.-M. Hwang)	K0-5 (L. Liping)
		7	J6-11 (J.-C. Gelin)	L6-11 (K. Shinagawa)	H1-6 (M. Yoshino)
15:40-16:00		Break			
16:00-18:00	18:00-20:00 Welcome Party, Rooms 3 and 4	1	E13-18 (A.R. Khoei)	E31-36 (T. Aizawa)	E49-54 (Z. Zimniak)
		2	B13-18 (J.J. Li)	A30-35 (V. Mendoza)	N12-16 (M. Loh-Mousavi)
		3	D12-18 (S. Yuan)		C25-30 (A. Milenin)
		4	A12-17 (F. Fujita)		A48-53 (B. Wang)
		5	G12-17 (S. Bruschi)	F7-12 (K. Chung)	F25-27 (M. Oldenburg)
		6	M12-16 (R.H. Wagoner)	I12-17 (H. Takuda)	K6-11 (R. Matsumoto)
		7	J12-17 (M. Rosochowska)	N0-5 (P.D. Hodgson)	H7-12 (J. Kusiak)
		8		G24-27 (M. He)	
			19:00-21:30 Banquet, Rooms 3 and 4	18:00-20:30 Bowling (X-Bowl, except for students and accompanying persons)	

(): chairperson

A: Rolling, B: Forging, C: Extrusion and drawing, D: Tube forming, E: Sheet metal forming, F: High strength steel sheet forming, G: Incremental forming, H: Shearing, I: Joining, J: Micro forming, K: Magnesium forming, L: Powder forming, M: Constitutive equations, N: Modelling

Room 1: Hall A, Room 2: Hall B, Room 3: Hall C, Room 4: Hall D, Room 5: Sakura, Room 6: Kaede, Room 7: Kiku-Fuji, Room 8: Tubaki,

Plenary lecture: 45 min., Session keynote: 30 min., General paper: 20 min.

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Pre-Conference Seminar
Joined with Processing Computational Mechanics Committee
in Japan Society for Technology of Plasticity

"Advances in Finite Element Simulation and Material Modeling
in Metal Forming Processes"

September 19 (Sun), Room 4
Chairman: Takayuki Hama (Kyoto University)

13:30-13:40: Welcome Address
Ken-ichiro Mori (Toyohashi University of Technology)

13:40-14:25: Constitutive Modeling for Sheet Metal Forming Simulations
Frederic Barlat (Pohang University of Science and Technology)

14:25-15:10: Finite Element Modeling of Metal Forming Processes - Basic Formulation and Recent Developments
Jean-Loup Chenot (CEMEF - Mines ParisTech)

15:10-15:55: New Empirical Damage Model and its Application for Formability Evaluation in Hole Expansion of Advanced High Strength Steel Sheets
Kwansoo Chung (Seoul National University)

15:55-16:10: Coffee Break

16:10-16:55: The Formability of Advanced High-Strength Steels
Robert H. Wagoner (The Ohio State University)

16:55-17:40: Impact of Material Modeling on the Accuracy of Sheet Metal Forming Simulations
Toshihiko Kuwabara (Tokyo University of Agriculture & Technology)

presentation	date	time	no	authors	title	country
01P	Sept. 20 (Mon)	09:15- 10:00	k03	Masayuki Miyanishi	Manufacturing of light weight cars	Japan
02P	Sept. 21 (Tue)	08:30- 09:15	k01	Kozo Osakada	Application of servo presses to metal forming processes	Japan
03P		09:15- 10:00	k02	Gerhard Hirt, Stephan Heppner	Selected trends for metal forming innovations	Germany
04P	Sept. 22 (Wed)	09:15- 10:00	k04	Zbigniew Pater	Development of cross-wedge rolling theory and technology	Poland
A00	Sept. 20 (Mon)	10:20- 10:50	k05	Peter D. Hodgson, Ilana B. Timokhina, Hossein Beladi	Nanostructural engineering of steel	Australia
A01	Room 4	10:50- 11:10	17	Sung-Hoon Cha, Jong-Bong Kim, Sa Sung Park, Jong-Ho Kim, Nak-Kyu Lee	Design of micro pattern forming process on thin sheet metal for electronic device panels	Korea
A02		11:10- 11:30	153	Joerg Brecht, Peter Finge, Andreas Hauger	Tailor rolled products – Innovative lightweight design technology for body structures and chassis applications	Japan
A03		11:30- 11:50	172	Shigeru Ogawa, Kenji Yamada, Toshiyuki Shiraishi, Takayuki Otsuka, Yutaka Sadano, Hisataka Uto, Kazuto Yamamura, Yoshiaki Shia, Kenji Sorao, Takeo Hoshino, Kunihiko Wakatsuki, Kouichiro Takeshita, Keishiro Ikeda, Kanji Hayashi, Akira Sako, Yutaka Matsuda, Yuji Ikemoto, Hideaki Furumoto	Development of intelligent mill and realization of Oita plate leveler	Japan
A04		11:50- 12:10	188	Zongan Luo, Guangming Xie, Guodong Wang, Guanglei Wang, Hongguang Wang, Lijun Wang	Interface of heavy gauge plate by vacuum cladding rolling	China
A05		12:10- 12:30	310	Falko Vogler, Alexander Duschka, Peter Groche	Part accuracy of hollow profiles manufactured through flexible roll forming	Germany
A06		13:40- 14:00	20	Bogdan Garbarz, Jarosław Marcisz	Thermomechanical processing of Al-alloyed structural steel with reduced susceptibility to copper hot brittleness	Poland
A07		14:00- 14:20	248	Dian-yao Gong, Zheng-yi Jiang, Jian-zhong Xu, Xiang-hua Liu, Di Wu	Setup models of finishing temperature and rolling speed for hot strip mill	China
A08		14:20- 14:40	205	Li Yan-mei, Zheng Dong-sheng, Zhu Fu-xian	Effect of finish rolling temperature ranges on microstructure and mechanical properties of hot rolled multiphase steel	China
A09		14:40- 15:00	312	Krzysztof Muszka, Bradley P. Wynne, Eric J. Palmiere, W. Mark Rainforth	Effect of deformation mode on microstructure evolution in Nb-microalloyed steel	UK
A10		15:00- 15:20	260	Yun Bo Xu, Yong Mei Yu, Bao Liang Xiao, Guo Dong Wang	Microstructural modeling and processing optimization during hot strip rolling of high-Nb steels	China
A11	15:20- 15:40	272	Fumio Fujita, Takero Watanabe, Hiromasa Shimoyama, Lili Guo	Effects of rolling and heat treatment conditions on texture structure and formability of magnesium alloy sheets	Japan	
A12	16:00- 16:20	100	Alexander Pesin, Victor Salganik, Denis Pustovoytov	Modeling of surface crack form change of continuously cast slabs in roughing rolling at wide strip mill 2000	Russia	
A13	16:20- 16:40	280	Matthias Dünckelmeyer, Christian Kremaszky, Ewald Werner , Gerald Hein , Karl Schörkhuber	Analytical modeling of thermo-mechanically induced residual stresses of work rolls during hot rolling	Germany	
A14	16:40- 17:00	285	Mahan Qwamizadeh, Mahmoud Kadkhodaei, Mahmoud Salimi	Analysis of curvature development in asymmetrical plate rolling in free and forced horizontal entry conditions	Iran	
A15	17:00- 17:20	477	Shinya Kanemori, Hideaki Furumoto, Kanji Hayashi, Takao Owada	Reduction of impact force in threading of strip front end and stabilization of mill vibration by mill stabilizer device in hot	Japan	
A16	17:20- 17:40	92	Yasumitsu Kondo	Suppression of surface hot shortness caused by copper in hot-rolling	Japan	
A17	17:40- 18:00	204	Dongbin Wei, Junxia Huang, Aiwen Zhang, Zhengyi Jiang, Kiet Tieu, Xu Shi, Sihai Jiao, Libin Chen	Deformation of oxide scale and roll-strip interface characteristics in hot rolling of stainless steel 304	Australia	
A18	Sept. 21 (Tue)	10:20- 10:40	323	Victor Mendoza	FEM analysis of defects and microstructure evolution during hot working of specialty	USA
A19	Room 4	10:40- 11:00	333	Zicheng Zhang, Fuxian Zhu, Yanmei Li, Zhigang Liu	Effect of thermomechanical processing on ferrite grain size and retained austenite morphology of Si-Mn TRIP steel	China

A20	Sept. 21 (Tue) Room 4	11:00-11:20	368	Akio Segawa, Takao Kawanami	Visualization of deformation characteristics of oxide scale in hot rolling process by scale transfer method	Japan	
A21		11:20-11:40	375	Ui Gu Kang, Shin Woong Jeong, Won Jong Nam	Evolution of microstructure and mechanical properties in Al 5052 alloy during warm	Korea	
A22		11:40-12:00	377	Marcel Graf, Rudolf Kawalla	Simulation system for fast analysis of multistage hot rolling processes strip and	Germany	
A23		12:00-12:20	384	Masanori Kobayashi, Tomoya Tsuchihashi, Yoshio Morimoto, Takashi Ishikawa	Prevention of sheet perforation in universal gap rolling	Japan	
A24		13:40-14:00	484	Somrerck Chandra-ambhorn, Thanasak Nilsonthi, Yves Wouters, Alain Galerie	Oxidation kinetics, mechanical adhesion and pickling behaviour of thermal oxide scales on hot-rolled conventional and recycled steels	Thailand	
A25		14:00-14:20	504	Qiang Zhu, Hongtao Zhu, Kiet Tieu, Cheng Lu	High temperature oxidation behaviour of a high-speed steel material	Australia	
A26		14:20-14:40	508	Xiaoming Zhang, Zhengyi Jiang, Dongbin Wei, Xianghua Liu, Guodong Wang	Analysis of casting roll during twin-roll thin strip casting	Australia	
A27		14:40-15:00	120	D. Mirahmadi Khaki, A. Akbarzadeh, A. Eftekhari, K. Koroshfar	Coiling temperature effect on formability of Nb-microalloyed steel sheet	Iran	
A28		15:00-15:20	67	Yongfeng Shen, Wenying Xue, Yanhui Guo	Effect of cold rolling and annealing on texture evolution and mechanical properties of if steel sheet	China	
A29		15:20-15:40	154	Haibo Xie, Zhengyi Jiang, Daniel Yuen	Analysis of edge cracks initiation and propagation during cold rolling of thin strip	Australia	
A30		Room 2	16:00-16:20	288	Mahmoud Salimi, Mohammad Mehdi Sahebifard	Optimization of strip profile and flatness using hybrid neural-GA algorithm	Iran
A31			16:20-16:40	174	Hiroshi Utsunomiya, Tsuyoshi Yukimoto, Tetsuo Sakai, Shinsuke Suzuki, Hideo Nakajima	Pore closure in multi-pass cold rolling of lotus-type porous copper	Japan
A32			16:40-17:00	390	Mohammad Reza Niroomand, Mohammad Reza Forouzan, Mohammad Fasihfar, Mahmoud Salimi	Chattering control based algorithm for nonlinear optimization of 5-stands cold strip rolling process parameters	Iran
A33			17:00-17:20	357	Sang Min Byon, Jae Hyeon Lee, Youngseog Lee	Experimental and numerical studies of edge cracks of a silicon steel strip in cold rolling	Korea
A34			17:20-17:40	439	Jari Larkiola, Jari Nylander, Martti Verho, Mika Judin	Virtual rolling quality system for cold rolling	Finland
A35			17:40-18:00	289	Amir Hosein Sakhaei, Mahmoud Salimi, Mahmoud Kadkhodaei	Caliber design in shape rolling by finite element method	Iran
A36			Sept. 22 (Wed) Room 4	10:20-10:40	309	Fritz Klocke, Björn Feldhaus, Hagen Wegner, Vladimir Bäcker	Rolling of defined riblet structures on compressor blades of Ti6Al4V
A37		10:40-11:00		200	Hiroshi Ona, Ryuhou Sho, Takuo Nagamachi, Kiyomasa Hoshi	Development of flexible cold roll forming machine controlled by PLC	Japan
A38		11:00-11:20		145	Keinosuke Iguchi, Kazuki Nishida, Takayuki Hama, Hideyuki Nakamura, Yukihisa Kuriyama, Hirohiko Takuda	Finite element analysis of strip deformation in roll forming of electric resistance welded pipe with vertical rolls	Japan
A39		11:20-11:40		319	Radoslaw Patyk	Theoretical and experimental basis of regular asperities about triangular outline embossing technology	Poland
A40		11:40-12:00		332	Toshifusa Nakamizo, Ichiro Takasu, Morihiko Nakasaki, Hiroshi Utsunomiya	Three-rolls-type hot ring rolling process of large seamless rings	Japan
A41		12:00-12:20		31	Lianggang Guo, He Yang	Numerical simulation of inhomogeneous deformation in cold ring rolling	China
A42		13:40-14:00		503	Hendrik Schafstall, Christian Barth	An innovate approach to automated simulation of full 3D ring rolling process and other incremental forming processes	Germany
A43		14:00-14:20		395	Jarosl�w Bartnicki, Jarosl�w Magryta, Zbigniew Pater, Grzegorz Samołyk	Rotary compression processes of hollowed parts	Poland
A44		14:20-14:40		53	Abdullatif Al-Salmi, Peter Hartley	The influence of roll inclination angle in three-roll rotary rolling of bi-metallic rod	UK
A45		14:40-15:00		74	MinCheol Lee, SooJin Jang, SeungSang Han, DukJae Yoon, ManSoo Joun	New finite-element model of thread rolling	Korea
A46		15:00-15:20		318	Agnieszka Kulakowska	Problems of surface preparation under burnishing rolling in aspect of product quality	Poland
A47		15:20-15:40		86	Wang Baoyu, Zheng Zhenhua, Hu Zhenghuan, Lin Jianguo	Methodology on precision cross wedge rolling of camshaft	China
A48		16:00-16:20	404	Carolin Binotsch, Andreas Feuerhack, Birgit Awiszus, Heinrich Potthoff	FEM simulation of planetary cross rolling process for production of seamless tubes of steel and copper	Germany	

A49	Sept. 22 (Wed) Room 4	16:20-16:40	392	Matthias Schmidtchen, Rudolf Kawalla	Multiscale modeling of rolling processes and bond strength development for layered materials	Germany
A50		16:40-17:00	212	Masahiro Saito, Motoo Asakawa, Yoshifuru Sunaga, Masaru Kobayashi, Masahito Kato, Kunio Matsuzaki	Manufacturing of Mg/Al clad sheet with pure titanium foil as inserts by hot pressing and rolling	Japan
A51		17:00-17:20	191	Tamer El Nadi, Bernd-Arno Behrens, Richard Krimm	Simulation of levelling with adjustable roll bending	Germany
A52		17:20-17:40	52	Motoo Asakawa, Motohiko Urabe, Kotaro Nishimura, Ryota Hamada, Shigeyuki Aizawa, Masahiko Amari	Theoretical and experimental analysis of roller leveller straightening for coiled bar	Japan
A53		17:40-18:00	151	Zdzislaw Cyganek	Influence of induced strain path on force-energy parameters of rolling process	Poland
B01		Sept. 20 (Mon) Room 2	10:20-10:40	77	SeungSang Han, JaeGun Eom, SoonTae Ahn, SeongMin Jang, YoHun Son, Hyuk Kim, DukJae Yoon, ManSoo Joun	Plastic deformation behavior of pre-heat-treated high-strength steel for application in forging
B02	10:40-11:00		266	Koh-ichi Sugimoto, Junya Kobayashi, Goro Arai	Development of ultra high-strength low alloy TRIP-aided steel for hot-forging parts	Japan
B03	11:00-11:20		416	Shiro Torizuka, Eijiro Muramatsu	Formability of ultrafine-grained steel : Forming microscrews by cold heading and	Japan
B04	11:20-11:40		471	Sylwia Wiewiórowska	Determination of content of retained austenite in steels with TRIP effect deformed at different strain rates	Poland
B05	11:40-12:00		75	Qiushi Li, JaeGun Eom, YeongSu Kim, EungZu Kim, ManSoo Joun	Causes of die fracture in automatic multistage cold-forging of high-strength ball-studs	Korea
B06	12:00-12:20		483	Yuji Kume, Makoto Kobash, Naoyuki Kanetake	Refinement of grains and second phases in aluminum alloys by compressive torsion processing	Japan
B07	13:40-14:00		398	Jabłońska Magdalena, Bednarczyk Iwona, Bernstock-Kopaczyńska Ewelina	Microstructural analysis of alloys from Fe-Al system by means of electron back scatter diffraction	Poland
B08	14:00-14:20		81	XiaoWu, Jian-Jun Li, Zhi-Zhen Zheng, Hua-Min Zhou	Formability of Zr-based bulk metallic glass under different loading modes	China
B09	14:20-14:40		56	Zhichao Sun, He Yang, Xiaofeng Guo	Modelling of microstructure evolution in AISI 5140 steel triple valve forming under multi-way loading	China
B10	14:40-15:00		123	Joseph Sehinde Ajiboye, Ki- Ho Jung and Yong-Taek Im	Selection of cold forging lubricants by tip test	Nigeria
B11	15:00-15:20		429	Marcus Bistron, Bernd-Arno Behrens, Hanno Paschke	Reduction of wear by boron based multilayer coatings on forging dies	Germany
B12	15:20-15:40		366	Soo-Young Kim, Satoshi Kubota, Masahito Yamanaka	Tool life evaluation of cold forging dies using numerical prediction model based on fatigue characteristics of tungsten carbide	Japan
B13	16:00-16:20		175	Jong-Taek Yeom, Jee-Hoon Kim, Jeung-Han Kim, Jae-Keun Hong, Jae-Sik Lee	Hot forging design of cam for vessel engine using finite element analysis and ductile fracture criteria	Korea
B14	16:20-16:40		396	Grzegorz Samolyk, Jarosław Bartnicki, Andrzej Gontarz	Fracture model for FEM modelling of cold metal forging	Poland
B15	16:40-17:00		24	Elena Lyamina, Sergei Alexandrov, Dragisa Vilotic, Dejan Movrin	Effect of shape of samples on ductile fracture initiation in upsetting	Russia
B16	17:00-17:20		78	Jung Min Seo, Jeong Hoon Noh, Beong Bok Hwang	Sensitivity of dimensional changes to ring geometry using FE simulation	Korea
B17	17:20-17:40		91	Seong-Hoon Kang, Sang-Woo Kim, Young-Seon Lee	Application of modified hydrostatic stress model to internal void crushing in forging of large scale ingot	Korea
B18	17:40-18:00		401	Thomas Kroiss, Ulf Engel, Marion Merklein	Simulation-based determination of deflection characteristic of tooling system and its modeling in FE simulation of cold forging	Germany
B19	Sept. 21 (Tue) Room 2	10:20-10:40	206	Takashi Ishikawa, Yoshinori Yoshida, Nobuki Yukawa, Michiaki Kamiyama, Hirotaka Ogitani, Tomoaki Sukanuma	Cold forge bonding of steel and aluminum alloy	Japan
B20		10:40-11:00	180	Huachang Wang, Hongfu Wang, Yuxi Tang	Variation in temperature distribution of die from unsteady to steady states in hot-forging of car front-wheel-hub	China
B21		11:00-11:20	194	Cheng Xiu-quan, Huo Yu-lin, Xia Qin-xiang, Kuang Bei-gu, Cheng Wen-xuan	Closing of central cavity in shaft heavy forging	China

B22	Sept. 21 (Tue) Room 2	11:20-11:40	187	Tung-Sheng. Yang, Sheng-Yi. Chang, Zong-Xian. Jiang	Predictions of maximum forging load and initial billet's dimensions of near net-shape of near net-shape bevel gear forging	Taiwan
B23		11:40-12:00	284	Satoru Kuwaharada, Kenji Nakanishi, Takehiko Matsuda, Yasumichi Matsumoto	Net shape forging of light weight LED light housing developed by physical forming simulation	Japan
B24		12:00-12:20	430	Wei-Shin Lin, Chun- Feng Tseng	Effect of hot forging deformation rate to carburizing treatment for hot forging parts	Taiwan
B25		13:40-14:00	42	Hanns Kache, Rouven Nickel, Bernd-Arno Behrens	Development of variable warm forging process chain	Germany
B26		14:00-14:20	386	Bernd-Arno Behrens, Dirk Odening	Material influence on shrinkage behaviour of precision-forged parts	Germany
B27		14:20-14:40	51	Tomoyoshi Maeno, Hiroyuki Fujii, Ken-ichiro Mori, Masahiro Sato	Control of slide motion in hot impression die forging of aluminium alloy billets using servo press	Japan
B28		14:40-15:00	423	Gontarz Andrzej, Pater Zbigniew, Samołyk Grzegorz, Tofil Arkadiusz	Forging of connecting rod without flash	Poland
B29		15:00-15:20	374	Emi Onodera, Yunping Li, Tadayoshi Odahara, Hiroaki Matsumoto, Akihiko Chiba	Intelligent hot forging process of artificial hip joint made of Ni-free Co-29Cr-6Mo-0.12N alloy	Japan
B30		15:20-15:40	240	Zhang Bao-hong, Zhang Zhi-min	Theoretical analysis and experimental verification of tooth parameters of die cavity for cold sizing process of spur gear	China
B31		Sept. 22 (Wed) Room 2	10:20-10:40	406	Yunping Li, Emi Onodera, Tadayoshi Odahara, Hiroaki Matsumoto, Akihiko Chiba	Friction correction of deformation curves in hot forging process of cylindrical sample
B32	10:40-11:00		413	Fanjuan Meng, Carl Labergere, Pascal Lafon	Parameters optimization of metal forming process	France
B33	11:00-11:20		278	Takahiro Ohashi, Yusuke Tsurumi, Yasushi Murata, Heihachi Ueki, Soju Matsumoto, Kenji	VR system for aiding preform design of hot forgings using haptic device	Japan
B34	11:20-11:40		134	Mohammad Kazem Kouroshfar, Daavood Mirahmadi Khaki	Investigation of effects of thermomechanical processing parameters on restoration behavior in X210Cr12 steel	Iran
B35	11:40-12:00		235	K Zhu Chun-dong, Cheng Meng-biao	Optimization of tie-bar end forming process	China
C01	Sept. 21 (Tue) Room 3	10:20-10:40	106	Byung-Min Kim, Seon-Bong Lee, Sang-Kon Lee	Curved profile extrusion process for Al6xxx automotive suspension arm	Korea
C02		10:40-11:00	110	Beong Bok Hwang, Jeong Hoon Noh, Ho Yong Lee	Forming load characteristics in combined extrusion process	Korea
C03		11:00-11:20	126	Vishara Ruchiranga Jayasekara, Jeong Hoon Noh, Beong Bok Hwang	Material flow characteristics of combined tube extrusion process	Korea
C04		11:20-11:40	144	Mario Epler, Wojciech Misiolek	Combined physical and numerical simulation of bimetallic tube extrusion	USA
C05		11:40-12:00	209	Takeshi Yoneyama, Masaya Takahashi	Effect of ultrasonic vibration on metal compression and extrusion	Japan
C06		12:00-12:20	239	Takahiro Ishiguro, Masayuki Yoshimura, Yoshinori Yoshida, Nobuki Yukawa, Takashi Ishikawa	Influence of slide motion on dimensional accuracy in cold backward extrusion by using servo press	Japan
C07		13:40-14:00	222	Kenji Hirota, Kumiko Maeda, Akira Shirai	Forming of stepped shaft by sheet extrusion	Japan
C08		14:00-14:20	39	Dyi-Cheng Chen, Ming-Wei Guo, Chih-Hsuan Jao, Ci-Syong You	Use of Taguchi method to study deformation mechanisms during indirect extrusion of seamless tube	Taiwan
C09		14:20-14:40	244	Farhad Parvizian, Tobias Kayser, Bob Svendsen	Modelling and simulation of dynamic microstructure evolution of aluminium alloys during hot forming processes	Germany
C10		14:40-15:00	275	Isaac Flitta, Terry Sheppard	Prediction of substructure influencing static recrystallisation using FEM analysis	New Zealand
C11		15:00-15:20	281	Marita Karimi, Faramarz Fereshteh-Saniee, Naemeh Fakhar	Experimental and numerical parameter studies on plane-strain backward extrusion	Iran
C12		15:20-15:40	302	Jung Min Lee, Jung Hwan Lee, Dae Cheol Ko, Dong Hwan Kim, Byung Min Kim	Application of powder pad and die design with ribbon-shaped chamber for direct extrusion of multi-cell tube using porthole die	Korea
C13		Sept. 22 (Wed) Room 3	10:20-10:40	304	Jianmin Yu, Zhimin Zhang, Lihui Lang, Baohong Zhang	Influence of plastic deformation on mechanical properties and microstructure of annealed ZL102 alloy

C14	Sept. 22 (Wed) Room 3	10:40-11:00	305	Ya Cui, Zhimin Zhang, Baohong Zhang, Jianmin Yu, Qiang Wang	Effect of multiple plastic deformation on microstructure and mechanical properties of 7A04 ultra-high strength aluminum alloy	China	
C15		11:00-11:20	352	Ping-Hsun Tsai, Wan-Chi Chang, Guogi Li, Jaebong Yang, Jin Yong Oh, Michael Foster, Wei-	3-D FEM simulation of aluminum extrusion	Taiwan	
C16		11:20-11:40	354	Jeong-Hoon Noh, Beong Bok Hwang	Surface stress profiles and forming limit in radial extrusion	Korea	
C17		11:40-12:00	407	Kai Kittner, Carolin Binotsch, Birgit Awiszus	Models for determination of interface strength and quality of aluminum-magnesium	Germany	
C18		12:00-12:20	442	Pawel Kazanowski	Evaluation of fracture surface features in support of extrusion tools design optimization	USA	
C19		13:40-14:00	182	Akira Yanagida, Keisuke Ishikawa, Kensaku Okazaki, Akira Azushima	Effect of Ti addition on tensile properties of C-Mn steels subjected to ECAE and heat treatment	Japan	
C20		14:00-14:20	114	Yan Zhao, Hongzhen Guo, Yongqiang Zhang, Zekun Yao, Zhifeng Shi	Influence of ECAP processing parameters on microstructure of TA15 titanium alloy	China	
C21		14:20-14:40	479	Andrzej Rosochowski, Malgorzata Rosochowska, Lech Olejnik, Bert Verlinden	Incremental equal channel angular pressing of sheets	UK	
C22		14:40-15:00	330	Zbigniew Gronostajski, Maciej Zwierzchowski, Marek Hawryluk, Tomasz Skubiszewski	Aluminum bronze BA1032 deformed by ECAP	Poland	
C23		15:00-15:20	376	Mehmet Okan Görtan, Enrico Bruder, Peter Groche, Clemens Müller	New severe plastic deformation process to produce ultrafine grained materials	Germany	
C24		15:20-15:40	437	Shinsuke Suzuki, Juan Lobos Martin, Hiroshi Utsunomiya, Hideo Nakajima	Effect of pass route and pass number of equal-channel angular extrusion on structure and strength of lotus-type porous copper	Japan	
C25		16:00-16:20	243	Kazunari Yoshida, Shunichi Kikuchi	Alternate drawing of aluminum wires for wiring harness	Japan	
C26		16:20-16:40	236	Michał Wielgus, Janusz Majta, Janusz Luksza, Paweł Paćko	Effect of strain path on mechanical properties of wire drawing products	Poland	
C27		16:40-17:00	211	Sonomi Shirasaki, Motoo Asakawa, Ryosuke Komami, Yuichi Tanaka	Theoretical analysis of high dimensional accuracy in cold wire drawing	Japan	
C28		17:00-17:20	213	Dae Woon Kim, Sang Kon Lee, Byung Min Kim, Jin Young Jung, Deok Young Ban	Prediction model of axial residual stress in multi-pass high carbon steel wire drawing	Korea	
C29		17:20-17:40	261	Tsuyoshi Furushima, Yuta Noda, Ken-ichi Manabe	Effective heating conditions for high speed dieless tube drawing process	Japan	
C30		17:40-18:00	320	Janusz Luksza, Katarzyna Szajding, Maciej Rumiński	Drawing process with ultrasonic activation of sectional drawing die perpendicularly to axis of wire subject to deformation	Poland	
D00		Sept. 20 (Mon) Room 3	10:20-10:50	K06	Jean-Loup Chenot, Elisabeth Massoni, Patrice Lasne	Finite element simulation and optimization of the hydroforming process	France
D01			10:50-11:10	7	Majid Elyasi, Pouya Zoghipour, Mohammad Bakhshi-Jooybari, Abdolhamid Gorji, Seyed Jamal Hosseinipour, Salman Nourouzi	A new hydroforming die design for improvement of die corner filling of conical stepped tubes	Iran
D02			11:10-11:30	26	Cong Han, Yongchao Xu, Shijian Yuan, Yong Wang, Shuai Yang	Effect of feeding pressure on hydroforming of crank-shaped tubes with ultra-small bending radius	China
D03			11:30-11:50	71	Mehran Kadkhodayan, Ahmad Erfani Moghadam, Mehdi Heidari	Loading path optimization of T-shape tube hydroforming process	Iran
D04			11:50-12:10	79	Atsushi Shirayori, Michiharu Narazaki	Hydraulic bulge forming of small diameter tubes	Japan
D05			12:10-12:30	473	Shi-Hong Zhang, An-Ying Yuan, Yong Xu, Ming Cheng	Influence of new hydroforming loading on formability in auto parts manufacturing	China
D06			13:40-14:00	482	Gang Liu, Junyang Peng, Guannan Chu, Shiqiang Zhu, Haitao Xiao, Shijian Yuan	Deformation patterns in hydroforming of thin-walled Y-shaped tube	China
D07			14:00-14:20	112	Shen-Yung Lin, Jhih-Cheng Shih	Hydro-formability investigation of bellows with more convolutions	Taiwan
D08			14:20-14:40	143	Ghader Faraji, Karen Abrinia	Analytical investigation of metal bellows forming process	Iran
D09			14:40-15:00	36	Shijian Yuan, Xin Liu, Yongchao Xu, Xiaosong Wang, Jun Qi, Xiaojun Sun	Warm hydroforming of aluminum alloy part by axially different heating zones	China
D10			15:00-15:20	370	Vadillo Leire, Pérez Iñaki, Hori Izuru, Zarazua Jose Ignacio, Mangas Ángela, San José Juan, Paar	Gas forming of boron steel tubes at low pressure - Applasting	Spain
D11			15:20-15:40	402	Rainer Steinheimer, Carsten Müller-Bollenhagen, Xuelan Schröder, Martina Zimmermann, Bernd Engel, Hans-Jürgen Christ	Closed-loop control of deformation induced martensite in complex tube forming process for optimized fatigue properties	Germany

D12	Sept. 20 (Mon) Room 3	16:00-16:20	55	Hasan Khanlari, Majid Elyasi, Mohammad Bakhshi-Jooybari, Abdolhamid Gorji, Behnam Davoodi, Ghorban Mohammad Alinegad	Investigation of pressure path effect on thickness distribution of product in hydroforming process of SS316L seamless tubes	Iran	
D13		16:20-16:40	19	Se-Ho Kim, Kee-Poong Kim	Simulation-based process development of tube press forming for coupled torsion beam axle of rear suspension assembly	Korea	
D14		16:40-17:00	264	Zicheng Zhang, Ken-ichi Manabe, Fuxian Zhu, Mingya Zhang	Determination of circumferential mechanical properties of TRIP steel tube by ring tensile	Japan	
D15		17:00-17:20	474	Dong-Hak Kim, Man-Bin Moon, Hyo-Sub Kim, Dong-Choon Hur, Jea-WooYang	Development of 4-way pipe stress reduction machine for improved submerged arc welding pipe dimensional accuracy and reduced residual stress	Korea	
D16		17:20-17:40	142	Heng-Sheng Lin, Chia-Jung Lin, Yuan-Chuan Hsu, Jiing-Herng Lee, Bean-Yin Lee, Yu-Chiang	Feasibility of sinking with rotary swaging for high pressure gas cylinders	Taiwan	
D17		17:40-18:00	341	Kazuhito Takahashi, Takashi Kuboki, Makoto Murata, Kouzo Yano	Influence of initial thickness of circular tube in rotary-draw bending adding axial pushing force for suppression of flatness	Japan	
D18		18:00-18:20	47	Takashi Kuboki, He Huang, Makoto Murata, Yohei Yamaguchi, Kouichi Kuroda	FEM analysis of tube straightener adopting implicit scheme	Japan	
E01		Sept. 20 (Mon) Room 1	10:20-10:40	220	Beom-Soo Kang, Seong-Chan Heo, Ja-Kyung Ku, Jung-Won Park, Tae-Wan Ku	Multi-stage deep drawing process for rectangular cup with extreme aspect ratio using 3003-H16 aluminum alloy	Korea
E02			10:40-11:00	10	Hu Wang, Guangyao Li	Reduction of wrinkling and crack of sheet forming based on least square support vector regression and cross validation sampling approach	China
E03	11:00-11:20		223	Woo-Jin Song, Seong-Chan Heo, Young-Seop Byun, Tae-Wan Ku, Beom-Soo Kang, Jeong Kim	Prediction of forming limits considering temperature and strain rate effects for magnesium alloy sheet based on local and diffuse plastic instability conditions	Korea	
E04	11:20-11:40		379	Mahmoud Abbasi, Mostafa Ketabchi, Hamid Reza Shakeri, Mohammad Hossein Hasannia	Investigation into formability of tailor welded blank consisted of IF steel sheets with different thicknesses- Experiment and	Iran	
E05	11:40-12:00		132	Jui-Chang Lin, Yu-Chun Chen, Shih-Fong Chiou	Optimization of double-square-slot deep drawing process	Taiwan	
E06	12:00-12:20		263	Pongpan Kaewtatip, Varunee Premanond, Anak Khantachawana, Nattapong Boonthongchan, Ratchanee Hato, Nobuhiro Koga	Surface quality improvement of ironed aluminum cups by using surface-modified tools	Thailand	
E07	13:40-14:00		497	Claus-Peter Eckold, Bernd-Arno Behrens, Sven Hübner, Fabian Lange, Peter Groche, Metin	Development of blank holder with hydro-elastic segments for deep drawing	Germany	
E08	14:00-14:20		252	Sinan Serdar Ozkan	Neuro-fuzzy control of blank holder force to improve formability in deep drawing process	Turkey	
E09	14:20-14:40		208	Takayuki Muranaka, Masato Okada, Kazuhiko Tanaka	Stretch-draw forming of cylindrical cups for improvement of shape accuracy	Japan	
E10	14:40-15:00		189	Zhibing Zhang, Yuqi Liu, Ting Du	Fast flanging defects predict and process optimization in sheet metal forming	China	
E11	15:00-15:20		9	Abdolh-Hamid Gorji, Hassan Alavi-Hashemi, Mohamad Bakhshi-Jooybari, Ghorban Mohammad-Alinejad, Salman Nourouzi	Development of hydrodynamic deep drawing assisted by radial pressure for conical-cylindrical parts	Iran	
E12	15:20-15:40		13	Xu Yong-chao, Han Cong, Liu Xin, Yuan Shi-jian, Kang Da-chang	Effects of radial pressure on 5A06 aluminum alloy cup hydroforming	China	
E13	16:00-16:20		127	Jang-Ping Wang, Guo-Ming Huang, Hsien-Der Lee, Tsung-Han Wu	Integrated optimal design method for drawing limit of stainless steel in hydro-mechanical deep drawing	China	
E14	16:20-16:40		156	Hasan Ali Hatipoğlu, Naki Polat, Arif Köksal	A methodology to determine friction coefficient in fluidcell forming process	Turkey	
E15	16:40-17:00		363	Rong Min, Yongjun Wang, Ximing Gou, Junbiao Wang	Ageing regulating process for 2024 aluminum alloy thin workpiece formed using rubber fluid forming	China	
E16	17:00-17:20		381	Morteza Hosseinzadeh, Mohammad Bakhshi-Jooybari, Mohsen Shakeri, Hamid Mostajeran, Hamid Gorji	Application of Taguchi method in optimization of new hydroforming die design	Iran	
E17	17:20-17:40		129	Asghar Shamsi-Sarband, Seyed Jamal Hosseinipour, Mohammad Bakhshi-Jooybari	Theoretical and FEM investigation of superplastic blow forming in conical die	Iran	
E18	17:40-18:00		435	Bao-sheng Liu, Li-hui Lang, Sergey Alexandrov, Hu Zhang, Elena Lyamina	Experiment determination of two unified fracture criteria for hot sheet hydroforming	China	

E19	Sept. 21 (Tue) Room 1	10:20-10:40	456	Mohamed Mohamed, Alistair Foster, Liliang Wang, Jianguo Lin, Daniel Balint, Trevor Dean	Formability for hot stamping of Al-alloy panel parts	UK	
E20		10:40-11:00	16	Kanji Ueno, Ken-ichiro Mori, Seiji Maki, Naotaka Arisawa	Resistance heating of side wall of cup for warm and hot spline forming	Japan	
E21		11:00-11:20	54	Farhad Haji Aboutalebi	Numerical and experimental determination of forming limit diagram for DIN 1623 St14	Iran	
E22		11:20-11:40	457	Yoshinori Yoshida, Takahiro Ishiguro, Nobuki Yukawa, Takashi Ishikawa, Zhigang Wang	Influences of sheared surface properties and induced strain on hole expansion limit of steel sheet	Japan	
E23		11:40-12:00	171	Naoto Hagino, Junichi Endou, Shunji Katoh, Seiji Okudera, Masao Maruyama, Makoto Kubota, Chikara. Murata	In-process monitoring for press forming	Japan	
E24		12:00-12:20	224	Wei Wang, Gang Zhao, Fazhong Shi	Die surface design CAD software oriented for sheet metal stamping FEM	China	
E25		13:40-14:00	329	Takashi Nakano	Press machine trends and servo press forming examples	Japan	
E26		14:00-14:20	487	Yoshikiyo Tamai, Yuji Yamasaki, Akihide Yoshitake, Takaaki Imura	Improvement of formability in stamping of steel sheets by motion control of servo press	Japan	
E27		14:20-14:40	382	Kiyoshi Hasegawa, Atsumori Inada, Naoya Kawachi, Jun-ichi Endou	Effect of parallel control of press with eccentric load	Japan	
E28		14:40-15:00	149	Wen-Hsiang Hsieh, Chia-Heng Tsai	A novel mechanical press of stephenson type	Taiwan	
E29		15:00-15:20	28	Tsuyoshi Yokosawa, Seiji Kataoka, Takashi Sato, Kenji Tamaoki, Kengo Fujimaki, Tadao Kato	Dry press forming using CVD diamond film coated tool polished by non abrasive ultrasonic vibration polishing	Japan	
E30		15:20-15:40	228	Kunio Hayakawa, Kazumi Saito, Tamotsu Nakamura, Shigekazu Tanaka	Detection of tribological condition during sheet metal forming using fractal property of acoustic emission	Japan	
E31		16:00-16:20	217	Hyun-Min Lee, Young-Ho Seo, Jae-Nam Kim, Woo-Jin Song, Tae-Wan Ku, Beom-Soo Kang, Jeong Kim	Development of electromagnetic forming apparatus and experimental application to sheet metal forming processes	Korea	
E32		16:20-16:40	226	Marek Burdek, Marcin Miczka	Influence analysis of 3D roughness parameters on physical and technological properties of steel sheets	Poland	
E33		16:40-17:00	336	Michael P. Pereira, Paul C. Okonkwo, Wenyi Yan, Bernard F. Rolfe	Deformation and frictional heating in relation to wear in sheet metal stamping	Australia	
E34		17:00-17:20	286	Dongsheng Li, Liang Wang, Hongyu Luo, Yanwen Lin, Lianfeng Chen	Development on dent resistance testing system for auto-body panel parts	China	
E35		17:20-17:40	269	Heng Jian Xu, Yu Qi Liu, Zhi Bing Zhang, Ting Du	Solid-shell finite element method for progressive die forming simulation	China	
E36		17:40-18:00	417	Reimund Neugebauer, Welf-Guntram Drossel, Lutz Lachmann, Sebastian Hensel, Matthias Nestler	Experimental and numerical study on efficient forming operations of sheet-metal-compounds with integrated piezo-modules	Germany	
E37		Sept. 22 (Wed) Room 1	10:20-10:40	193	Zbigniew Zimniak	Influence of high density electric currents pulses on plastic deformation	Poland
E38			10:40-11:00	300	Jung Min Lee, Jung Hwan Lee, Dong Hwan Kim, Byung Min Kim	Effect of galvannealing temperatures on frictional characteristic of GA coating in flat-friction test	Korea
E39			11:00-11:20	434	Ali Alavi Nia, Reza Emami	Explosive forming of steel cone using ALE method	Iran
E40			11:20-11:40	380	Chul Kim, Beom-Cheol Hwang, Won-Byong Bae	Torsional characteristic and manufacturing process for sleeve spring of torsional vibration damper	Korea
E41			11:40-12:00	140	Weijun Yang, Dongsheng Li, Xiaoqiang Li, Dehua He	A springback compensation method for complex-shaped flange components in fluid-cell forming process	China
E42			12:00-12:20	103	Juan Liao, Chi Zhou, Feng Ruan, Yin Zhu	Springback reduction of blade part using measuring based compensation methodology	China
E43			13:40-14:00	32	Takayuki Hama, Eiji Isogai, Tohru Yoshida, Hirohiko Takuda	Experimental verification of springback simulation using local interpolation for tool surfaces	Japan
E44			14:00-14:20	202	Kazunari Imai, Jin Yingjun, Hiroki Tsuruta, Junichi Koyama, Takashi Kuboki, Makoto Murata	Computational method of springback in V-bending of sheet having bausching effect	Japan
E45			14:20-14:40	362	Lei Liu, Yongjun Wang, Rui Liu, Qizheng Kang, Zhixue Qiu	Springback analysis of stretch-bending forming of complex section profile	China
E46			14:40-15:00	201	Yingjun Jin, Takahiro Shibata, Hitoshi Omata, Junichi Koyama	Analysis of longitudinal cambering in V-bending of sheet metal	Japan

E47	Sept. 22 (Wed)	15:00- 15:20	348	Sutasn Thipprakmas	Effect of ratio of punch height to workpiece length in partial V-bending process	Thailand
E48	Room 1	15:20- 15:40	256	Atsushi Ogata, Yingjun Jin, Takahiro Shibata, Yasushi Yamaya, Junichi Koyama	Effect of die shoulder radius on material surface scratch in V-bending of sheet	Japan
E49		16:00- 16:20	277	Jung-Won Park, Ji-Woo Park, Hak-Gon Noh, Beom-Soo Kang, Tae- Wan Ku	Press-braking bending process of thick plates	Korea
E50		16:20- 16:40	316	Domingo Morales, Carpóforo Vallellano, Andrés J. Martínez-Donaire, Francisco J. García-Lomas	Prediction of forming limit strains in metal sheets under stretch-bending conditions	Spain
E51		16:40- 17:00	322	Andrés J. Martínez-Donaire, Carpóforo Vallellano, Domingo Morales, Francisco J. García-Lomas	Experimental detection of necking in stretch-bending conditions: A critical review and new methodology	Spain
E52		17:00- 17:20	359	Matthias Weiss, Chunhui Yang, Bernard Rolfe	Effect of skin passing on bending and tension: An experimental investigation	Australia
E53		17:20- 17:40	399	Kuang-Jau Fann, Ming-Hsiung Chen, Yu-Sheng Tu	Bending of bi-metal sheets in plane strain	Taiwan
E54		17:40- 18:00	451	Wanjin Chung, Sungjin Lim, Jongho Kim, Daeyong Seong, Dongyol Yang	Forming analysis of L-bending of sandwich sheet with pyramid core	Korea
F01		Sept. 21 (Tue)	13:40- 14:00	425	Mehmet Ali Guler, Firat Ozer, Mustafa Yenice, Mesut Kaya	Springback prediction of DP600 steels for various material models
F02	Room 5	14:00- 14:20	283	Sung Il Kim, Sang Heum Cho, Youngseog Lee	Influence of microstructure on springback of cold-rolled TRIP steel sheet	Korea
F03		14:20- 14:40	327	Jérôme Chottin, Eric Hug, Mohamed Rachik	Influence of stress state on mechanical properties of dual phase steel sheets. Experimental and finite element analysis approach	France
F04		14:40- 15:00	387	Ke Chen, Jianping Lin, Liying Wang	Influence of mechanical properties of AHSS on springback in sheet forming	China
F05		15:00- 15:20	491	Monika Hycza-Michalska	Drawability of advanced high strength steel and creep-resisting nickel superalloys	Poland
F06		15:20- 15:40	445	Masato Takamura, Ayako Fukui, Takayuki Hama, Yuji Miyoshi, Masashi Sakata, Hideyuki Sunaga, Akitake Makinouchi, Motoo Asakawa	Twisting in curved hat channel products made of high strength steel sheet	Japan
F07		16:00- 16:20	184	Takeshi Uemori, Satoshi Sumikawa, Shohei Tamura, Hiroyuki Akagi, Tetsuo Naka, Fusahito	Springback simulation of high strength steel sheets calculated by Yoshida-Uemori model	Japan
F08		16:20- 16:40	152	Bhadpiroon Sresomroeng, Varunee Premanond, Pongpan Kaewtatip, Anak Khantachawana, Nobuhiro Koga	Evaluation of Ti-based ceramic coated tools to reduce adhesion in U-channel forming process of high strength steel	Thailand
F09		16:40- 17:00	178	Chin Joo Tan, Yohei Abe, Ken-ichiro Mori, Michiyuki Suzuki	Forming of tailor blanks for increase in wall thickness at corner of stamped high strength steel products	Japan
F10		17:00- 17:20	96	Emrah Uysal, Fahrettin Ozturk	Analysis of forming limit diagrams of DP600 steel at various deformation speeds	Turkey
F11		17:20- 17:40	241	Tetsuo Naka, Takanori Kurose, Takeshi Uemori, Ryutaro Hino, Fusahito Yoshida	Prediction of fracture for high strength steel sheets under stretch bending	Japan
F12		17:40- 18:00	385	Takayuki Ogawa, Atsushi Hirahara, Fusahito Yoshida	Reduction of springback by bottoming and ironing on high strength steel sheet	Japan
F13		Sept. 22 (Wed)	10:20- 10:40	274	Kaoru Inoue, Masahiro Suzuki, Souichiro Nishino, Kunio Ohya, Yo Tomota	Effect of coating microstructure of press-working dies on sliding damage
F14	Room 5	10:40- 11:00	109	Takashi Matsuno, Yukihisa Kuriyama, Hiroya Murakami, Shouta Yonezawa, Hisanobu Kanamaru	Effects of punch shape and clearance on hole expansion ratio and fatigue properties in punching of high strength steel sheets	Japan
F15		11:00- 11:20	282	Donghoon Yoo, Dongun Kim, Kanghwan Ahn, HongGee Kim, Hyun-sung Son, Gyo-Sung Kim, Kwansoo Chung	Characterization of mechanical properties for hot press forming	Korea
F16		11:20- 11:40	138	Hong-seok Choi, Ki-ju Nam, Dong-hui Lee, Se-yoon Ha, Chung-gil Kang, Byung-min Kim	Development of hot stamped center pillar by optimization of process parameters in form type of 4 piece die sets	Korea
F17		11:40- 12:00	394	Mats Oldenburg, Göran Lindkvist	Micro-structure evolution in the press hardening process with respect to tool and contact thermal properties	Sweden
F18		12:00- 12:20	164	Katsuyoshi Ikeuchi, Jun Yanagimoto	Characterization of die quenching process by water-cooled dies and high-precision compression testing machine	Japan
F19		13:40- 14:00	427	Masahiro Nakata, Toshiya Suzuki, Kazuo Hikita, Kazuo Uematsu, Nobusato Kojima, Yozo Hirose	Effects of punch shape on hole-expansion formability in hot stamping	Japan
F20		14:00- 14:20	233	Kazuhisa Kusumi, Shuji Yamamoto	Stretch formability of steel sheets in hot stamping process	Japan

F21	Sept. 22 (Wed) Room 5	14:20-14:40	12	Ralf Kolleck, Wolfgang Weiß, Robert Vollmer	A new method in manufacturing near-surface cooling channels for tempered tools	Austria	
F22		14:40-15:00	334	Sang-Hyun An, Chung-Gil Kang, Byung-Min Kim	Temperature distribution design of partial die quenching for bump part fabrication and process analysis	Korea	
F23		15:00-15:20	173	Satoshi Hirose, Shunji Hiwatashi, Akihiro Uenishi, Hiroshi Yoshida	Optimal geometry of sheet-metal specimen for elastic-bar-type high strain-rate tensile	Japan	
F24		15:20-15:40	185	Zhanli Guo, Gyeongpil Kang, Nigel Saunders	Modelling of materials properties used for simulation of hot stamping	UK	
F25		16:00-16:20	27	Ninshu Ma, Bonyoung Ghoo, Yuko Wanatabe and Yasuyoshi Umezu	CAE approach to hot stamping process	Japan	
F26		16:20-16:40	190	Ning Ma, Ping Hu, Wei Guo, Guozhe Shen, Liang Ying, Rong Fan	Coupled models of hot forming of ultra strength steel sheets	China	
F27		16:40-17:00	347	Naruhiko Nomura, Kazuhisa Kusumi, Masayoshi Suehiro	Improvement of accuracy of hot stamping simulation based on analysis of heat transfer by hot drawing tests	Japan	
G00		Sept. 20 (Mon) Room 5	10:20-10:50	k10	Masaaki Otsu	Flexible forming of sheets and foils by laser forming	Japan
G01	10:50-11:10		466	Paolo Bosetti, Stefania Bruschi	Some remarks on formability and microstructural features of incrementally formed sheets as a function of geometrical	Italy	
G02	11:10-11:30		419	Babak Taleb-Araghi, Alexander Goettmann, Markus Bambach, Tim Biermann, Gerhard Hirt, Andreas Weisheit	Development of hybrid incremental sheet forming processes	Germany	
G03	11:30-11:50		365	Yongjun Wang, Xudong Xiao, Zhenyi Yuan, Weichao Wu	Incremental sheet metal forming with multiple-head tool	China	
G04	11:50-12:10		116	Minoru Yamashita, Toshio Hattori, Kenji Yamada, Naoya Nishimura	Frictional effect on deformation behavior in incremental sheet forming	Japan	
G05	12:10-12:30		197	Valentin Oleksik, Adrian Pascu, Daniel Mara, Octavian Bologna, Gabriel Racz, Radu Breaz	Influence of geometric parameters on strain and thickness reduction in incremental forming process	Romania	
G06	13:40-14:00		303	Tuomas Katajarinne, Arto Komulainen, Seppo Kivivuori	Force and frictional conditions in incremental forming	Finland	
G07	14:00-14:20		325	Steeve Dejardin, Jean-Claude Gelin, Sébastien Thibaud	On-line thickness measurement in incremental sheet forming process	France	
G08	14:20-14:40		176	Masaaki Otsu, Hiroki Matsuo, Mitsuhiro Matsuda, Kazuki Takashima	Friction stir incremental forming of aluminum alloy sheets	Japan	
G09	14:40-15:00		369	Ryutaro Hino, Naoaki Nagaishi, Yuki Yamamoto, Tetsuo Naka, Fusahito Yoshida	Incremental forming with local heating for aluminum-magnesium alloy sheet	Japan	
G10	15:00-15:20		481	Andrea Ghiotti, Stefania Bruschi	A novel experimental set-up for warm incremental forming of AZ31B magnesium alloy sheets	Italy	
G11	15:20-15:40		221	Young-Ho Seo, Seong-Chan Heo, Tae-Wan Ku, Jeong Kim, Beom-Soo Kang	Numerical analysis for stretch forming process using flexible die	Korea	
G12	16:00-16:20		294	Ana María Camacho, Carpóforo Vallengano, Francisco Javier García-Lomas, Miguel Ángel Sebastián	Effect of punch geometry on strain/stress state induced in workpiece by localised-incremental forging operations	Spain	
G13	16:20-16:40		455	Mohd Azri, Shigekazu Tanaka, Kunio Hayakawa, Tamotsu Nakamura, Yasushi Yamaya, Asami Morino, Hitoshi Omata	Rapid laser bending with line-shaped beam spot	Japan	
G14	16:40-17:00		29	Yoshihiro Sagisaka	Thin-sheet-metal bending by laser peen forming with femtosecond laser	Japan	
G15	17:00-17:20		267	Hiroshi Kawakami, Hiroki Inoue, Muneharu Kutsuna, Kiyotaka Saito, Yasuaki Sonoda, Hitoshi Ozaki, Jippei Suzuki	Dimple formation on stainless steel by indirect laser peening	Japan	
G16	17:20-17:40		251	Lin Wang, Hui Long, Dave Ashley, Martyn Roberts, Peter White	Analysis of single-pass conventional spinning by Taguchi and finite element methods	UK	
G17	17:40-18:00		46	Takashi Kuboki, Naoto Takahashi, Kazuhito Takahashi, Kazuhiko Sanda, Susumu Moriya, Keisuke Ishida, Makoto Murata	Effect of initial thickness deviation on deformed tube shape in tube spinning	Japan	
G18	Sept. 21 (Tue) Room 5		10:20-10:40	63	Akihiro Ando, Shinobu Karino	Reduction in diameter of ferritic stainless steel pipe by spinning	Japan
G19			10:40-11:00	82	Yoichi Takahashi, Shigefumi Kihara, Takuo Nagamachi, Yoshiaki Takada	Effect of taper angle on occurrence of cracking in spinning of pipe	Japan
G20		11:00-11:20	44	Ming He	Design and validation of forming high-precision cylindrical components by three-roll flow forming process	USA	

G21	Sept. 21 (Tue) Room 5	11:20-11:40	301	Xia Qinxiang, Lai Zhouyi, Zhan Xinxi, Cheng Xiuquan	Research on spinning method of hollow part with triangle arc-type cross section based on profiling driving	China	
G22		11:40-12:00	405	Sebastian Härtel, Birgit Awiszus	Numerical and experimental investigations of production of non-rotationally symmetric hollow parts using sheet metal spinning	Germany	
G23		12:00-12:20	507	Chow Cher Wong, Atsushi Danno, Kai Soon Fong	Deformation behavior in flow forming of cylindrical cups using finite element method	Singapore	
G24		Room 8	16:00-16:20	4	Ken-ichiro Mori, Hirokazu Osako, Osamu Ebihara, Takayuki Nonaka, Daigo Sugiyama	Hot shear spinning of cast aluminium alloy parts with inclined roller	Japan
G25			16:20-16:40	62	Akio Sekiguchi, Hirohiko Arai	Synchronous die-less spinning of curved products	Japan
G26			16:40-17:00	11	Thomas Hatzenbichler, Bruno Buchmayr, Stefan Weiss	FEM-simulation of high-speed corrugation process with Abaqus/Explicit.	Austria
G27			17:00-17:20	433	Reimund Neugebauer, Markus Bergmann	Graded ultrafine grained materials by incremental bulk metal forming	Germany
H01	Sept. 22 (Wed) Room 7	13:40-14:00	219	Tae-Wan Ku, Joo-Young Jung, Woo-Jin Song, Jeong Kim, Beom-Soo Kang	Prediction of force-sustaining endurance for micro half-blanking component with thin sheet material	Korea	
H02		14:00-14:20	353	Kenji Tamaoki, Ken-ichi Manabe, Seiji Kataoka, Tatsuhiko Aizawa	Dry small hole shearing of cold rolled steel sheet with electroconductive ceramic tools	Japan	
H03		14:20-14:40	2	Teruie Takemasu	Precision piercing of small holes by striking punch having conical portion at cutting edge using ultrasonic vibration	Japan	
H04		14:40-15:00	163	Masahiro Sasada, Isamu Aoki	Influence of sheet constraint on punch deflection in shearing	Japan	
H05		15:00-15:20	177	Varunee Premanond, Ratchanee Hato, Sompob Lohnab	Wear mechanism on stepped coated piercing punch	Thailand	
H06		15:20-15:40	148	Kunlachart Junlapen, Pongpan Kaewtatip, Nobuhiro Koga	Reduction in blanking noise using nc servo press machine	Thailand	
H07		16:00-16:20	343	Dong Hwan Kim, Jung Min Lee, Byung Min Kim	Investigation on shear deformation of polycarbonate sheet in blanking process	Korea	
H08		16:20-16:40	108	Satoshi Kajino, Tomoya Tanaka, Motoo Asakawa	Effect of torsion on shear droop and burr in shearing of bars and wires	Japan	
H09		16:40-17:00	231	Masahiko Yoshino, Naoki Yoshikawa, Kazuaki Uchida	Plastic forming of hard brittle materials under external hydrostatic pressure	Japan	
H10		17:00-17:20	349	Sutasn Thipprakmas, Wiriyakorn Phanitwong	Finite element analysis of shaving direction effects in reciprocating shaving process	Thailand	
H11		17:20-17:40	337	Hui-cai Long, Yi-lin Wang	Parametric CAD system for rapid design of fine-blanking progressive dies	China	
H12		17:40-18:00	432	Myung-jin Chang, Hong-seok Choi, Sang-hoon Lee, Byung-min Kim, Jae-ho Bae, Bong-hwan Kim, Dae-cheol Ko	Development of fine blanking process for manufacturing sector tooth with inner deep gear	Korea	
I00	Sept. 21 (Tue) Room 6	10:20-10:50	k07	Gianluca Buffa, Livan Fratini, Fabrizio Micari	Finite element simulation of friction stir welding	Italy	
I01		10:50-11:10	23	Yeong-Maw Hwang, Chien-Hua Lin	Friction stir welding of dissimilar metal sheets	Taiwan	
I02		11:10-11:30	488	Milan Vukcevic, Mileta Janjic, Miroslav Plancak, Nikola Sibalic	Optimization of friction stir welding parameters on aluminium alloys AlSi1MgMn	Montenegro	
I03		11:30-11:50	84	Yoshihiko Uematsu, Keiro Tokaji, Yasunari Tozaki	Fatigue behaviour of cast aluminium alloy surface-modified by friction stir surface processing	Japan	
I04		11:50-12:10	229	Izabela Kalemba, Mateusz Kopyscianski, Stanislaw Dymek, Carter Hamilton	Investigation of friction stir welded Al-Zn-Mg-Cu aluminum alloys	Poland	
I05		12:10-12:30	279	Jae-Keun Hong, Chae-Hun Lee, Jeoung-Han Kim, Jong-Taek Yeom, Chang-Gil Lee	Friction stir welding of dissimilar Al 5052 to Ti-6Al-4V alloy with WC-Co tool	Korea	
I06		13:40-14:00	257	Masahiro Fukumoto, Masami Tsubaki, Toshiaki Yasui, Katashi Miyagawa, Keitaro Miyagawa	Observation on plastic flow in friction stir spot welding between aluminum alloy and	Japan	
I07		14:00-14:20	59	Sergey Mironov, Yutaka S. Sato, Hiroyuki Kokawa	Microstructural evolution during friction stir welding of Ti-6Al-4V alloy	Japan	
I08		14:20-14:40	472	Gianluca Buffa, Livan Fratini, Fabrizio Micari	Numerical simulation of friction stir welding of Ti-6Al-4V titanium alloys	Italy	
I09		14:40-15:00	207	Yoichiro Shimoda, Masami Tsubaki, Toshiaki Yasui, Masahiro Fukumoto, Tomoyuki Fujita, Jiro	Effect of tool shape on material flow in welding between aluminum and steel by	Japan	
I10	15:00-15:20	383	Toshiaki Yasui, Fahrudin Usmonov, Kazuo Oouchida, Masami Tsubaki, Masahiro Fukumoto	Temperature distribution and material flow in friction surfacing	Japan		

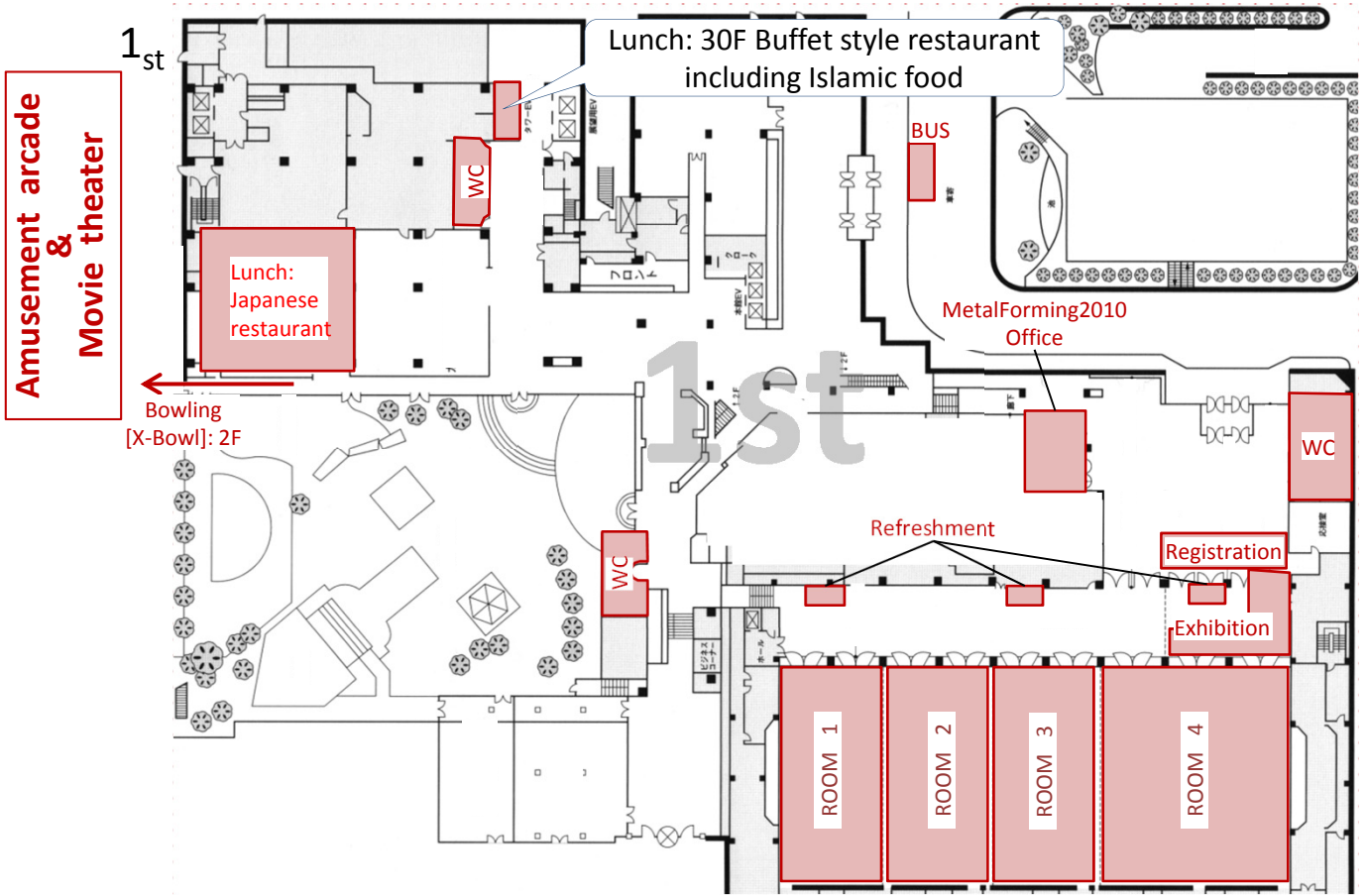
I11	Sept. 21 (Tue) Room 6	15:20-15:40	460	Haruki Sano, Noboru Nakayama, Hiroyuku Takeishi	Effect of probe shape on joint strength of friction stir welded cold-worked die steel	Japan
I12		16:00-16:20	258	Masaki Okane, Yuichiro Takami, Katashi Miyagawa, Toshiaki Yasui, Masahiro Fukumoto	Fatigue behaviors of aluminum alloy/steel dissimilar joint by friction stirring	Japan
I13		16:20-16:40	157	Ulrike Beyer, Birgit Awiszus	Flat-clinching – New possibility for joining different kinds of components in flexible and effective way to planar material compound	Germany
I14		16:40-17:00	45	Yohei Abe, Toru Kato, Masaya Kishimoto, Ken-ichiro Mori	Joining of hot-dip coated high-strength steel sheets by mechanical clinching	Japan
I15		17:00-17:20	254	Zbigniew Gronostajski, Sławomir Polak	Comparison of impact energy absorption by double-hat thin-walled specimens made of HSLA steel joined by clinching and spot welding	Poland
I16		17:20-17:40	49	Toru Kato, Yohei Abe, Ken-ichiro Mori	Plastic joining of aluminium alloy sheets by aluminium alloy cylinder	Japan
I17		17:40-18:00	230	Nanjiang Chen, Jean-loup Chenot, Min Wan, Julien Malrieu, Maxime Thonnerieux, Richard	Numerical and experimental studies of riveting process and strength of riveted joints	France
I18	Sept. 22 (Wed)	10:20-10:40	372	Hiroyuki Kinoshita, Koichi Kaizu, Tomohiro Yoshihara, Ryusuke Kawamura, Kiyohiko Ikeda	Joining of cold-reduced carbon steel sheet and aluminum sheet by impulsive riveting	Japan
I19	Room 6	10:40-11:00	500	Thibaut Van Hoof, Mohamed Ben Bettaieb, Frederic Lani, Philippe Dufour, Pascal J. Jacques, Astrid Lenain, Anne Marie Habraken	Comparison of mechanical efficiency of two microstructures of Ti5553 alloy in case of bolted flanges submitted to tensile loading	Belgium
I20		11:00-11:20	161	Dominic Größ, Rouven Nickel, Bernd-Arno Behrens	Integration and control of arc stud welding in sheet metal tools	Germany
I21		11:20-11:40	467	Hidenobu Gonda, Yasuhiro Shirai, Toshiaki Yasui, Osamu Ohashi, Masahiro Fukumoto	Effect of joining condition on plastic deformation, microstructure and bonding strength for WC-Co to WC-Co	Japan
J00		Sept. 20 (Mon)	10:20-10:50	k11	Jian Cao, Kuniaki Dohda, Rui Zhou, Takehiko Makino, Masaru Futamura	An investigation on bump formation in forming of micro dimples
J01	Room 7	10:50-11:10	131	Mohamed Sahli, Xiangji Kong, Thierry Barrière, Christine Millot, Jean-Claude Gelin	Micro-manufacturing of metallic micro-fluidic devices by soft embossing replication	France
J02		11:10-11:30	50	Tatsuhiko Aizawa, Kuniyoshi Itoh, Eiji Iwamura	Nano-laminated dlc coating for dry micro-stamping	Japan
J03		11:30-11:50	102	Clement Keller, Mohammed Bettaieb, Mitica Afteni, Mihaela Banu, Anne-Marie Habraken, Eric Hug, Sylvie Castagne, Laurent Duchêne	Effect of decrease in sample dimensions on plasticity: Application to nickel micro-forming	Belgium
J04		11:50-12:10	412	Chunju Wang, Bin Guo, Debin Shan, Ying Yao, Feng Gong	Size effect of tribology behaviour in micro U-deep drawing with T2 copper foil	China
J05		12:10-12:30	130	Xiangji Kong, Thierry Barrière, Jean-Claude Gelin	Manufacturing of stainless steel and Cu bi-material micro-components with micro-powder injection molding process	France
J06		13:40-14:00	119	Jie. Zhao, Andrew. Brockett, Akhtar. Razali, Yi. Qin, Colin. Harrison and Yanling. Ma	Micro-sheet-forming and case studies	UK
J07		14:00-14:20	166	Jung-Kuei Tseng, Tsung-Tien Wu, Cheng-Tang Pan, Zong-Hsin Liu, Yi-Chian Chen, Chia-Jung Wu, Jia-Lin Chen, Jacob Chih-Ching Huang	Multi-functional hot-embossing of bulk metal glasses at low temperature	Taiwan
J08		14:20-14:40	87	Christoph Hartl, Gerald Anyasodor	Experimental and numerical investigations into micro-hydroforming processes and machine design	Germany
J09		14:40-15:00	113	Piotr Macioł, Maciej Pietrzyk	Numerical modeling of thixotropic flow with internal variable convection method	Poland
J10		15:00-15:20	14	Ji Zhong, Shi Huigang, Liu Ren	Atomistic simulation for nanoupsetting process of copper block	China
J11		15:20-15:40	104	Antonio. J. Sanchez-Salmeron, C. Ricolfe-Viala	A bi-linear-vibratory feeder system for micro-bulk-forming applications	Spain
J12		16:00-16:20	170	Chao-Cheng Chang, Chien-Kuo Huang	Preform design for cold forging of micro gear	Taiwan
J13		16:20-16:40	198	Hamid Montazerolghaem, Mahmoud Farzin, Alireza Fadaei Tehrani	Manufacture of miniature bulge test apparatus suitable for micro-sheet metal forming	Iran
J14		16:40-17:00	299	Chao Zheng, Sheng Sun, Zhong Ji, Wei Wang, Jing Liu	Microscale laser peen forming of titanium foil	China
J15		17:00-17:20	328	Mohammad Ali Mirzai, Ken-ichi Manabe	Conical expanding process of metallic microtube by axial compression	Japan
J16		17:20-17:40	389	Tetsuhide Shimizu, Masahiro Ogawa, Kuniyoshi Ito, Ken-ichi Manabe	Effect of plastic anisotropy on micro-deep-drawability of ultra-thin metal foils	Japan
J17		17:40-18:00	454	Daniel S. Balint, Shiwen Wang, Jianguo Lin	Size effects in micro-forming	UK

K00	Sept. 22 (Wed)	13:40- 14:10	k08	Ryo Matsumoto	Development of forging processes of magnesium alloys on servo press	Japan
K01	Room 6	14:10- 14:30	117	Christian Schmidt, Rudolf Kawalla	Influence of rolling temperature on texture and microstructure development of twin-roll-cast magnesium AZ31	Germany
K02		14:30- 14:50	58	Yasumasa Chino, Xinsheng Huang, Kazutaka Suzuki, Kensuke Sassa, Mamoru Mabuchi	Texture evolution and enhanced stretch formability of AZ31 Mg alloy rolled by cone-shape roll	Japan
K03		14:50- 15:10	448	Takashi Iizuka, Nobuo Hatanaka, Norio Takakura	Deep drawing of high cup of magnesium alloy AZ31 by compressive force	Japan
K04		15:10- 15:30	196	Andrzej Milenin, Piotr Kustra	Mathematical model of warm drawing process of magnesium alloys in heated dies	Poland
K05		15:30- 15:50	38	Ryo Matsumoto	Forging process of cast magnesium alloy with consideration of grain refinement and texture evolution	Japan
K06		16:00- 16:20	371	S. Mizunuma, T. Iizuka, K. Mitsui, H. Okumura, M. Kohzu	Influence of die-hole diameter on grain structures of Mg alloy AZ31 in torsion extrusion	Japan
K07		16:20- 16:40	107	Motoki Terano, Kazuhiko Kitamura, Ryo Matsumoto, Yoshito Mizuno	Estimation of plastic anisotropy and compressive stress-strain curve of AZ31B magnesium alloy extruded bar for high-accuracy FE analysis	Japan
K08		16:40- 17:00	378	Li-ping Lei, Na Wang, Pan Zeng	Experiment and modeling of plastic anisotropy for AZ31B Mg-alloy	China
K09		17:00- 17:20	465	Yoichi Murakoshi, Kanichi Hatsukano, Toru Shimizu, Kunio Matsuzaki	Forging of magnesium billets consolidated dry chip with hot press and extrusion	Japan
K10		17:20- 17:40	155	Mitsunobu Shiraishi, Makoto Nikawa	Forging of magnesium alloy covers with ribs and flanges from thin plate using servo press	Japan
K11		17:40- 18:00	135	Hajime Iwasaki, Naobumi Saito, Michiru Sakamoto, Masataka Hakamada, Kenji Higashi	Hot forging of continuously cast AZ91 magnesium alloy	Japan
L00	Sept. 21 (Tue)	10:20- 10:50	k09	Katsuyoshi Kondoh, Kantarou Kaneko, Toru Akita	Advanced powder metallurgy light metals by metal working	Japan
L01	Room 7	10:50- 11:10	408	Renata Wlodarczyk, Agata Dudek	Sintering stainless steel as bipolar plate material for polymer electrolyte membrane	Poland
L02		11:10- 11:30	160	Mohamed Sahli, Guillaume Larsen, Thierry Barrière, Jean-Claude Gelin, Gérard Michel	Analysis and characterisation for 316L stainless metal micro-structure replication of micro-components produced by micro-powder injection moulding	France
L03		11:30- 11:50	66	Hisashi Imai, Sufeng Li, Haruhiko Atsumi, Katsuyoshi Kondoh, Yoshiharu Kosaka, Akimichi Kojima	Effect of bismuth addition on machinability and mechanical properties of lead-free brass via powder metallurgy process	Japan
L04		11:50- 12:10	373	Kazuo Isonishi	Manufacturing of WC alloys by consolidation of MA powders made from W-C-Co or W-C-Fe-Al powder mixture	Japan
L05		12:10- 12:30	462	Ayman Elsayed, Hisashi Imai, Junko Umeda, Katsuyoshi Kondoh	Microstructure and mechanical properties of hot extruded ZK61 alloy produced by rapid solidified powder metallurgy	Japan
L06		13:40- 14:00	273	Hideshi Miura, Kenta Okawachi, Hyun Goo Kang, Fujio Tsumori, Kosaku Kurata	Laser forming technique for medical devices of Ti alloy powders	Japan
L07		14:00- 14:20	90	Shufeng Li, Katsuyoshi Kondoh, Hisashi Imai, Haruhiko Atsumi	Effects of Ti addition on microstructure and mechanical properties of extruded Cu40Zn-2.2Bi brass by powder metallurgy	Japan
L08		14:20- 14:40	139	Kyung-Hun Lee, Dae-Won Hwang, Kyung-Hee Ruy, Byung-Min Kim	Hybrid powder extrusion process for improvement on formability of MA Zn-22wt%Al powder	Korea
L09		14:40- 15:00	64	Thotsaphon Threrujirapapong, Katsuyoshi Kondoh, Hisashi Imai, Junko Umeda, Bunshi	Hot extrusion of pure titanium reinforced with carbon nanotubes	Japan
L10		15:00- 15:20	271	Terukazu Tokuoka, Toshihiko Kaji, Takao Nishioka	Development of P/M aluminum alloy with fine microstructures	Japan
L11		15:20- 15:40	350	Li-hui Lang, Yong Xue, Gu-liang Bu, Hui Yang	Densification behavior of Ti-6Al-4V powder during hot isostatic pressing	China
L12	Sept. 22 (Wed)	10:20- 10:40	355	Toru Shimizu, Kunio Matsuzaki, Naoyuki Kanetake	Production of high porosity stainless steel foams from powder	Japan
L13	Room 7	10:40- 11:00	270	Yoshihiro Kubota, Tamotsu Nakamura, Shigekazu Tanaka, Kunio Hayakawa	Net shape forming of thin walled cylindrical can by DC pulse resistance sintering process of titanium powder metal	Japan

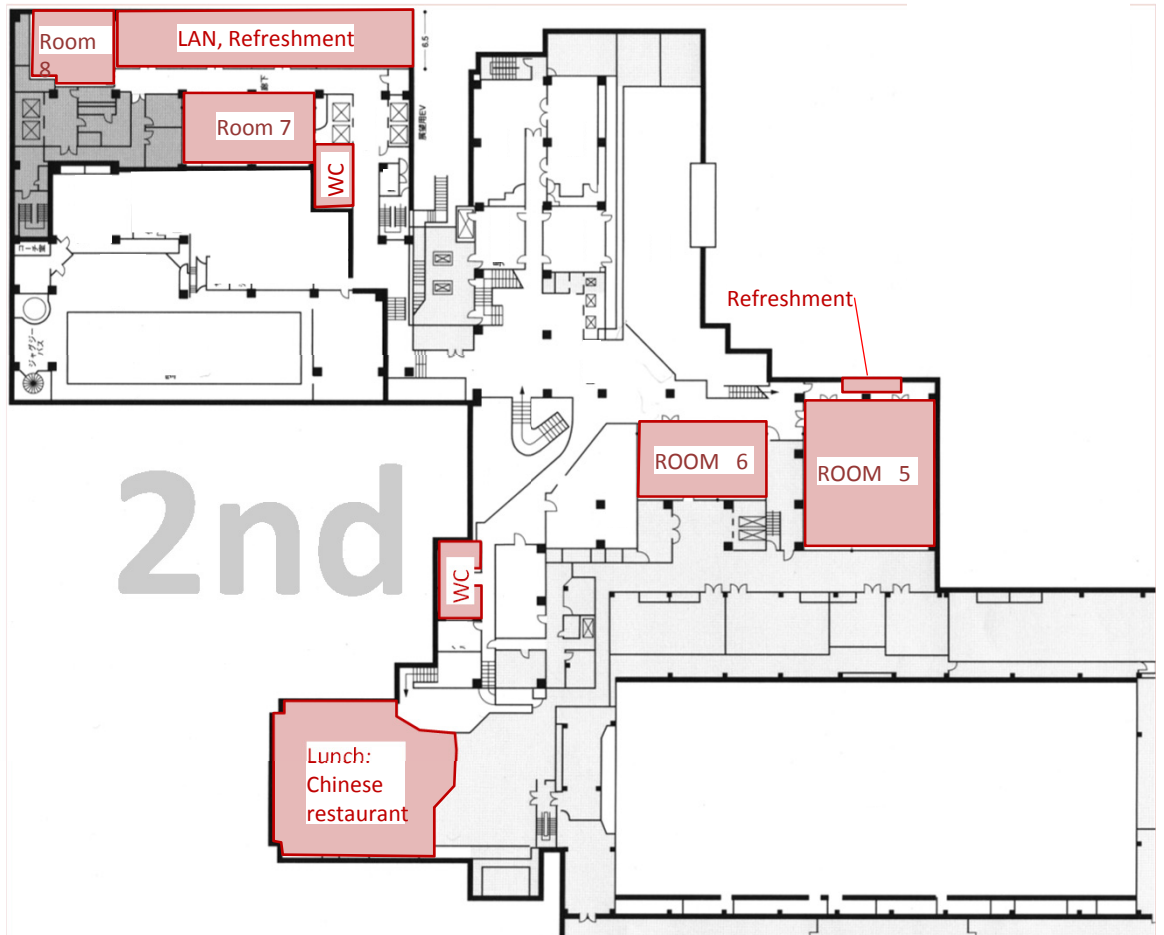
L14	Sept. 22 (Wed) Room 7	11:00-11:20	480	Michel Bellet, Paméla Mondalek, Luisa Silva	Numerical modelling of SPS process	France
L15		11:20-11:40	247	Hans-Åke Häggblad, Pär Jonsén	Modeling of tensile crack formation in metal powder pressing	Sweden
L16		11:40-12:00	80	Kazunari Shinagawa	A combined phase-field/discrete-element method for simulating sintering process	Japan
M00	Sept. 20 (Mon) Room 6	10:20-10:50	k12	Le Xu, Lei Chen, Dirk Steglich, Bruno C. De Cooman, Frédéric Barlat	Modeling the behavior and formability of high Mn steel	Korea
M01		10:50-11:10	461	Dorel Banabic, George Dragos, Ioana Bichis	Influence of variability of mechanical data on forming limits curves	Romania
M02		11:10-11:30	509	Ji Hoon Kim, Ji Hyun Sung, David K. Matlock, Daeyong Kim, Robert H. Wagoner	Simple analytical model of shear failure	USA
M03		11:30-11:50	450	Guillaume Altmeyer, Farid Abed-Meraim, Tudor Balan	Investigation of some localization criteria and their relevance to prediction of forming limit diagrams	France
M04		11:50-12:10	99	Bekim Berisha, Pavel Hora, Longchang Tong	Constitutive modeling of dynamic strain aging effect under various loading conditions	Switzerland and
M05		12:10-12:30	192	Deok Chan Ahn, Yang Jin Chung	Relation between uniaxial and biaxial tensile properties of ferritic stainless steel sheets	Korea
M06		13:40-14:00	234	Yasuhiro Hanabusa, Hideo Takizawa, Toshihiko Kuwabara	Evaluation of accuracy of stress measurements determined in biaxial stress tests with cruciform specimen using	Japan
M07		14:00-14:20	227	Kunio Hayakawa, Kentaro Sawano, Tamotsu Nakamura, Yasuyuki Imai, Yoshihiro Kubota, Yasuo Namba, Yusuke Tabuchi	Influence of anisotropic property of plastic-deformation-dependent Young's modulus of stainless steel sheet on analytical accuracy of springback	Japan
M08		14:20-14:40	295	Takeshi Moriya, Toshihiko Kuwabara, Seika Kimura, Susumu Takahashi	Effect of anisotropic yield function on predictive accuracy of surface deflection of automotive outer panels	Japan
M09		14:40-15:00	510	Lihua Zhan, Jianguo Lin, Kar Cheong Ho, Daniel Balint	Prediction of springback in creep age forming of aluminum alloy plate	China
M10		15:00-15:20	463	Albert Van Bael, Philip Eyckens, Jerzy Gawad, Giovanni Samaey, Dirk Roose, Paul Van Houtte	Evolution of crystallographic texture and mechanical anisotropy during cup drawing	Belgium
M11		15:20-15:40	250	Muhammad Niazi, Harm Wisselink, Timo Meinders, Carel ten Horn	Implementation of an anisotropic damage material model using general second order damage tensor	Netherlands
M12		16:00-16:20	30	Wang Xinyun, Tang Na, Zheng Zhizhen, Tang Yingying, Li Jianjun	Constitutive equation of Zr-based bulk metallic glasses in supercooled liquid region	China
M13		16:20-16:40	444	Haibo Wang, Min Wan, Yu Yan, Xiangdong Wu	Experimental and numerical investigation of biaxial behavior of B170P1 steel sheet	China
M14		16:40-17:00	388	Jing Liu, He Yang, Mei Zhan, Ning Ren	Material parameters identification of thin-walled seamed tube under biaxial stress state	China
M15		17:00-17:20	97	Emre Esener, Fahrettin Ozturk, Mustafa Yenice	An investigation of use biaxial data in sheet metal forming simulations	Turkey
M16	17:20-17:40	124	Dehua He, Dongsheng Li, Xiaoqiang Li, Chaohai Jin, Weijun Yang	Identification of material parameters for stretch forming of aircraft skin using punch	China	
N00	Sept. 21 (Tue) Room 7	16:00-16:30	k13	Roland Logé, Heba Resk, Zhidan Sun, Laurent Delannay and Marc Bernacki	Modeling of plastic deformation and recrystallization of polycrystals using digital microstructures and adaptive meshing techniques	France
N01		16:30-16:50	324	Lukasz Madej, Danuta Szeliga, Lukasz Sztangret, Maciej Pietrzyk	Validation of parameters of cellular automata finite element model dedicated to strain localization phenomena	Poland
N02		16:50-17:10	464	Jerzy Gawad, Albert Van Bael, Philip Eyckens, Paul Van Houtte, Giovanni Samaey, Dirk Roose	Effect of texture evolution in cup drawing predictions by multiscale model	Belgium
N03		17:10-17:30	290	Akinori Yamanaka, Tsuyoshi Kawanishi, Atsuki Oto, Masahiko Yoshino	Crystal plasticity finite element analysis of deformation behavior of single crystal copper by nano forming	Japan
N04		17:30-17:50	60	Lukasz Madej	Influence of microstructure features on strain distribution during micro forming on basis of digital material representation	Poland
N05		17:50-18:10	452	Marc Milesi, Yvan Chastel, Elie Hachem, Marc Bernacki, Roland E. Logé, Pierre-Olivier Bouchard	Digital microstructures matching statistical distributions of features in real materials – Example of forgings	France

N06	Sept. 22 (Wed) Room 2	13:40- 14:00	496	Lukasz Rauch, Lukasz Madej, Jan Kusiak	Modelling of microstructure deformation based on digital material representation integrated with watershed image	Poland
N07		14:00- 14:20	506	Chetan Nihare, Alireza Asgari, Matthias Weiss, Peter D. Hodgson	Fracture of DP590 steel: A multi-scale modeling approach	Australia
N08		14:20- 14:40	25	Sergei Alexandrov, Tsuyoshi Furushima, Ken-ichi Manabe	A theoretical-experimental approach for improving predictive capacity of models for free surface roughness evolution in metal forming processes under plane strain	Russia
N09		14:40- 15:00	159	Guillaume Larsen, Zhi Qiang Cheng, Thierry Barriere, Bao Sheng Liu, Jean-Claude Gelin, Mohamed Rachid Laydi	Modelling and numerical simulation of biphasic fluid flow	France
N10		15:00- 15:20	255	Mehrdad Foroutan, Mohammad-Amin Bahrami	Analysis of plane strain upsetting by hermitian meshless collocation method	Iran
N11		15:20- 15:40	485	Mohsen Loh-Mousavi, Farhad Teymoori, Ali Etesam	3-D finite element simulation of water jet tube forming process	Iran
N12		16:00- 16:20	265	Keiji Manabe	PSPG rigid-plastic FEM analysis of large deformation in cutting	Japan
N13		16:20- 16:40	15	Mehrdad Foroutan, Rahim Sotoodeh Bahreyni, Mahmoud Farzin	Forward extrusion analysis by rigid-plastic meshless method	Iran
N14		16:40- 17:00	83	Amir Reza Khoei, S. Mohadeseh Taheri-Mousavi, S. Omid Reza Biabanaki, Masood Anahid	An enriched-FEM technique for large frictional contact deformation	Iran
N15		17:00- 17:20	317	Leon Kukielka	New damping models of metallic materials and its application in non-linear dynamical cold processes of metal forming	Poland
N16	17:20- 17:40	361	Xiangyang Cui, Guangyao Li, Gang Zheng, Zhou Fang	Cell-based smoothed radial point interpolation method for contact problems in metal forming analysis	China	

Shopping centre



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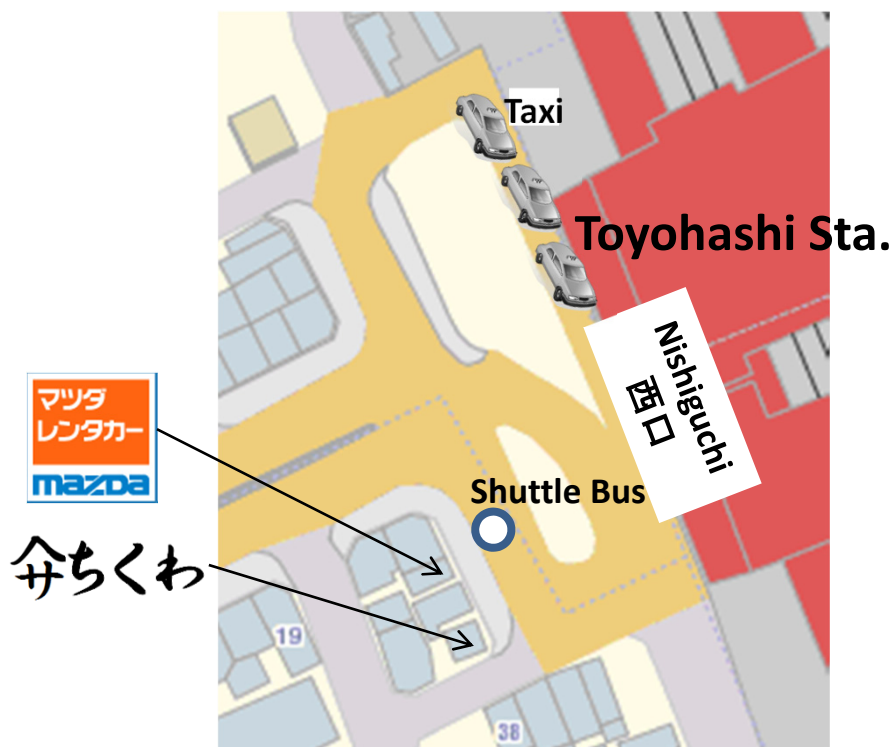


Hotel Nikko Shuttle Bus Time Table

From Hotel Entrance	Time	From Toyohashi sta.
35	7	55
15 55	8	35
	9	15
15 55	10	35
	11	15
15	12	35
55	13	
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15 55	17	35
35	18	15 55
15 30 55	19	35
10 35	20	15 55
15	21	35

Extra shuttle bus

Day	From Toyohashi sta.	From Nikko Hotel Entrance
19 th	12:50, 13:10	18:00, 18:30, 19:00, 19:30, 20:00
20 th	8:10, 8:40	18:10, 19:00
21 st	8:10, 8:40	21:30
22 nd	8:30, 9:00	None



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2.8 km and 30 min. walk from Toyohashi station

Toyoko Inn
Toyohashi-eki Higashi-guchi

