Metal Forming 2010, Hotel Nikko Toyohashi
September 19-22, 2010, Toyohashi, Japan

Conference Schedule

	Sept. 19 (Sun)	Sept. 20 (Mon)	Sept. 21 (Tue)	Sept. 22(Wed)
08:30-10:00		08:30- Registration 09:00-09:15 Opening Ceremony 09:15-10:00 Plenary 1	08:30-10:00 Plenary 2,3	09:15-10:00 Plenary 4
10:00-10:20		Break	Break	Break
10:20-12:20		A0-5 B1-6 D0-5 E1-6 G0-5 J0-5 M0-5	A18-23 B19-24 C1-6 E19-24 G18-23 L0-5 I0-5	A36-41 B31-35 C13-18 E37-42 F13-18 L12-16 I18-21
12:20-13:40	12:00- Registration	Lunch	Lunch	Lunch
13:40-15:40	13:30-17:40 Pre-conference seminar	A6-11 B7-12 D6-11 E7-12 G6-11 J6-11 M6-11	A24-29 B25-30 C7-12 E25-30 F1-6 L6-11 I6-11	A42-47 K0-5 C19-24 E43-48 F19-24 H1-6 N6-11
15:40-16:00		Break	Break	Break
16:00-18:00	18:00-20:00 Welcome party	A12-17 B13-18 D12-18 E13-18 G12-17 J12-17 M12-16	A30-35 E31-36 F7-12 N0-5 G24-27 I12-17	A48-53 K6-11 C25-30 E49-54 F25-27 H7-12 N12-16
		-	19:30-21:30 Banquet	18:30-20:30 Bowling

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

presentation	no	Authors	Title	Country
01P	k03	Masayuki Miyanishi	Manufacturing of light weight cars	Japan
02P	k01	Kozo Osakada	Application of servo presses to metal forming processes	Japan
03P	k02	Gerhard Hirt, Stephan Heppner	Selected trends for metal forming innovations	Germany
04P	k04	Zbigniew Pater	Development of cross-wedge rolling theory and technology	Poland
A00	k05	Peter D. Hodgson, Ilana B. Timokhina, Hossein Beladi	Nanostructural engineering of steel	Australia
A01	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	153	Joerg Brecht, Peter Finge, Andreas Hauger	Tailor rolled products – Innovative lightweight design technology for body structures and chassis applications	Japan
A03	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	188	Zongan Luo, Guangming Xie, Guodong Wang, Guanglei Wang, Hongguang Wang, Lijun Wang	Interface of heavy gauge plate by vacuum cladding rolling	China
A05	310	Falko Vogler, Alexander Duschka, Peter Groche	Part accuracy of hollow profiles manufactured through flexible roll forming	Germany
A06	20	Bogdan Garbarz, Jarosław Marcisz	Thermomechanical processing of Al-alloyed structural steel with reduced susceptibility to copper hot brittleness	Poland
A07	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	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	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	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	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	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	280	Matthias Dünckelmeyer, Christian Krempaszky, Ewald Werner , Gerald Hein , Karl Schörkhuber	Analytical modeling of thermo-mechanically induced residual stresses of work rolls during hot rolling	Germany
A14	285	Mahan Qwamizadeh, Mahmoud Kadkhodaei, Mahmoud Salimi	Analysis of curvature development in asymmetrical plate rolling in free and forced horizontal entry conditions	Iran
A15	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 rolling	Japan
A16	92	Yasumitsu Kondo	Suppression of surface hot shortness caused by copper in hot-rolling	Japan
A17	204	Dongbin Wei, Junxia Huang, Aiwen Zhang, Zhengyi Jiang, Kiet Tieu, Xu Shi, Sihai Jiao, Libin	Deformation of oxide scale and roll-strip interface characteristics in hot rolling of stainless steel 304	Australia
A18	323	Victor Mendoza	FEM analysis of defects and microstructure evolution during hot working of specialty alloys	USA

A19	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	368	Akio Segawa, Takao Kawanami	Visualization of deformation characteristics of oxide scale in hot rolling process by scale transfer method	Japan
A21	375	Ui Gu Kang, Shin Woong Jeong, Won Jong Nam	Evolution of microstructure and mechanical properties in Al 5052 alloy during warm rolling	Korea
A22	377	Marcel Graf, Rudolf Kawalla	Simulation system for fast analysis of multistage hot rolling processes strip and rod/wire	Germany
A23	384	Masanori Kobayashi, Tomoya Tsuchihashi, Yoshio Morimoto, Takashi Ishikawa	Prevention of sheet perforation in universal gap rolling	Japan
A24	484	Somrerk 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	504	Qiang Zhu, Hongtao Zhu, Kiet Tieu, Cheng Lu	High temperature oxidation behaviour of a high-speed steel material	Australia
A26	508	Xiaoming Zhang, Zhengyi Jiang, Dongbin Wei, Xianghua Liu, Guodong Wang	Analysis of casting roll during twin-roll thin strip casting	Australia
A27	120	D. Mirahmadi Khaki, A. Akbarzadeh, A. Eftekhari, K. Koroshfar	Coiling temperature effect on formability of Nb-microalloyed steel sheet	Iran
A28	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	154	Haibo Xie, Zhengyi Jiang, Daniel Yuen	Analysis of edge cracks initiation and propagation during cold rolling of thin strip	Australia
A30	288	Mahmoud Salimi, Mohammad Mehdi Sahebifard	Optimization of strip profile and flatness using hybrid neural-GA algorithm	Iran
A31	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	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	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	439	Jari Larkiola, Jari Nylander, Martti Verho, Mika Judin	Virtual rolling quality system for cold rolling	Finland
A35	289	Amir Hosein Sakhaei, Mahmoud Salimi, Mahmoud Kadkhodaei	Caliber design in shape rolling by finite element method	Iran
A36	309	Fritz Klocke, Björn Feldhaus, Hagen Wegner, Vladimir Bäcker	Rolling of defined riblet structures on compressor blades of Ti6Al4V	Germany
A37	200	Hiroshi Ona, Ryuhou Sho, Takuo Nagamachi, Kiyomasa Hoshi	Development of flexible cold roll forming machine controlled by PLC	Japan
A38	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	319	Radoslaw Patyk	Theoretical and experimental basis of regular asperities about triangular outline embossing	Poland
A40	332	Toshifusa Nakamizo, Ichiro Takasu, Morihiko Nakasaki, Hiroshi Utsunomiya	Three-rolls-type hot ring rolling process of large seamless rings	Japan
A41	31	Lianggang Guo, He Yang	Numerical simulation of inhomogeneous deformation in cold ring rolling	China
A42	503	Hendrik Schafstall, Christian Barth	An innovate approach to automated simulation of full 3D ring rolling process and other incremental forming processes	Germany
A43	395	Jarosław Bartnicki, Jarosław Magryta, Zbigniew Pater, Grzegorz Samołyk	Rotary compression processes of hollowed parts	Poland
A44	53	Abdullatif Al-Salmi, Peter Hartley	The influence of roll inclination angle in three-roll rotary rolling of bi-metallic rod	UK
A45	74	MinCheol Lee, SooJin Jang, SeungSang Han, DukJae Yoon, ManSoo Joun	New finite-element model of thread rolling	Korea
A46	318	Agnieszka Kulakowska	Problems of surface preparation under burnishing rolling in aspect of product quality	Poland

A47	86	Wang Baoyu, Zheng Zhenhua, Hu Zhenghuan, Lin Jianguo	Methodology on precision cross wedge rolling of camshaft	China
A48	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	392	Matthias Schmidtchen, Rudolf Kawalla	Multiscale modeling of rolling processes and bond strength development for layered materials	Germany
A50	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	191	Tamer El Nadi, Bernd-Arno Behrens, Richard Krimm	Simulation of levelling with adjustable roll bending	Germany
A52	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	151	Zdzislaw Cyganek	Influence of induced strain path on force-energy parameters of rolling process	Poland
B01	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	Korea
B02	266	Koh-ichi Sugimoto, Junya Kobayashi, Goro Arai	Development of ultra high-strength low alloy TRIP-aided steel for hot-forging parts	Japan
B03	416	Shiro Torizuka, Eijiro Muramatsu	Formability of ultrafine-grained steel : Forming microscrews by cold heading and rolling	Japan
B04	471	Sylwia Wiewiórowska	Determination of content of retained austenite in steels with TRIP effect deformed at different strain rates	Poland
B05	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	483	Yuji Kume, Makoto Kobash, Naoyuki Kanetake	Refinement of grains and second phases in aluminum alloys by compressive torsion processing	Japan
B07	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	81	XiaoWu, Jian-Jun Li, Zhi-Zhen Zheng, Hua-Min Zhou	Formability of Zr-based bulk metallic glass under different loading modes	China
B09	56	Zhichao Sun, He Yang, Xiaofeng Guo	Modelling of microstructure evolution in AISI 5140 steel triple valve forming under multi-way loading	China
B10	123	Joseph Sehinde Ajiboye, Ki- Ho Jung and Yong-Taek Im	Selection of cold forging lubricants by tip test	Nigeria
B11	429	Marcus Bistron, Bernd-Arno Behrens, Hanno Paschke	Reduction of wear by boron based multilayer coatings on forging dies	Germany
B12	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	175	Jong-Taek Yeom, Jee-Hoon Kim, Jeoung-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	396	Grzegorz Samołyk, Jarosław Bartnicki, Andrzej Gontarz	Fracture model for FEM modelling of cold metal forging	Poland
B15	24	Elena Lyamina, Sergei Alexandrov, Dragisa Vilotic, Dejan Movrin	Effect of shape of samples on ductile fracture initiation in upsetting	Russia
B16	78	Jung Min Seo, Jeong Hoon Noh, Beong Bok Hwang	Sensitivity of dimensional changes to ring geometry using FE simulation	Korea
B17	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	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 process	Germany
B19	206	Takashi Ishikawa, Yoshinori Yoshida, Nobuki Yukawa, Michiaki Kamiyama, Hirotaka Ogitani, Tomoaki Suganuma	Cold forge bonding of steel and aluminum alloy	Japan

B20	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	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	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	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	430	Wei-Shin Lin, Chun- Feng Tseng	Effect of hot forging deformation rate to carburizing treatment for hot forging parts	Taiwan
B25	42	Hanns Kache, Rouven Nickel, Bernd-Arno Behrens	Development of variable warm forging process chain	Germany
B26	386	Bernd-Arno Behrens, Dirk Odening	Material influence on shrinkage behaviour of precision-forged parts	Germany
B27	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	423	Gontarz Andrzej, Pater Zbigniew, Samołyk Grzegorz, Tofil Arkadiusz	Forging of connecting rod without flash	Poland
B29	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	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	406	Yunping Li, Emi Onodera, Tadayoshi Odahara, Hiroaki Matsumoto, Akihiko Chiba	Friction correction of deformation curves in hot forging process of cylindrical sample	Japan
B32	413	Fanjuan Meng, Carl Labergere, Pascal Lafon	Parameters optimization of metal forming process	France
B33	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	134	Mohammad Kazem Kouroshfar, Daavood Mirahmadi Khaki	Investigation of effects of thermomechanical processing parameters on restoration behavior in X210Cr12 steel	Iran
B35	235	K Zhu Chun-dong, Cheng Meng-biao	Optimization of tie-bar end forming process	China
C01	106	Byung-Min Kim, Seon-Bong Lee, Sang-Kon Lee	Curved profile extrusion process for Al6xxx automotive suspension arm	Korea
C02	110	Beong Bok Hwang, Jeong Hoon Noh, Ho Yong Lee	Forming load characteristics in combined extrusion process	Korea
C03	126	Vishara Ruchiranga Jayasekara, Jeong Hoon Noh, Beong Bok Hwang	Material flow characteristics of combined tube extrusion process	Korea
C04	144	Mario Epler, Wojciech Misiolek	Combined physical and numerical simulation of bimetallic tube extrusion	USA
C05	209	Takeshi Yoneyama, Masaya Takahashi	Effect of ultrasonic vibration on metal compression and extrusion	Japan
C06	239	Takahiro Ishiguro, Masayuki Yoshimura, Yoshinori Yoshida, Nobuki Yukawa, Takashi	Influence of slide motion on dimensional accuracy in cold backward extrusion by using servo press	Japan
C07	222	Kenji Hirota, Kumiko Maeda, Akira Shirai	Forming of stepped shaft by sheet extrusion	Japan
C08	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	244	Farhad Parvizian, Tobias Kayser, Bob Svendsen	Modelling and simulation of dynamic microstructure evolution of aluminium alloys during hot forming processes	Germany
C10	275	Isaac Flitta, Terry Sheppard	Prediction of substructure influencing static recrystalisation using FEM analysis	New Zealand
C11	281	Marita Karimi, Faramarz Fereshteh-Saniee, Naeemeh Fakhar	Experimental and numerical parameter studies on plane-strain backward extrusion	Iran
C12	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	304	Jianmin Yu, Zhimin Zhang, Lihui Lang, Baohong Zhang	Influence of plastic deformation on mechanical properties and microstructure of annealed ZL102	China

C14	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	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	354	Jeong-Hoon Noh, Beong Bok Hwang	Surface stress profiles and forming limit in radial extrusion	Korea
C17	407	Kai Kittner, Carolin Binotsch, Birgit Awiszus	Models for determination of interface strength and quality of aluminum-magnesium compounds	Germany
C18	442	Pawel Kazanowski	Evaluation of fracture surface features in support of extrusion tools design optimization	USA
C19	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	114	Yan Zhao, Hongzhen Guo, Yongqiang Zhang, Zekun Yao, Zhifeng Shi	Influence of ECAP processing parameters on microstructure of TA15 titanium alloy	China
C21	479	Andrzej Rosochowski, Malgorzata Rosochowska, Lech Olejnik, Bert Verlinden	Incremental equal channel angular pressing of sheets	UK
C22	330	Zbigniew Gronostajski, Maciej Zwierzchowski, Marek Hawryluk, Tomasz Skubiszewski	Aluminum bronze BA1032 deformed by ECAP	Poland
C23	376	Mehmet Okan Görtan, Enrico Bruder, Peter Groche, Clemens Müller	New severe plastic deformation process to produce ultrafine grained materials	Germany
C24	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	243	Kazunari Yoshida, Shunichi Kikuchi	Alternate drawing of aluminum wires for wiring	Japan
C26	236	Michał Wielgus, Janusz Majta, Janusz Luksza, Paweł Paćko	Effect of strain path on mechanical properties of wire drawing products	Poland
C27	211	Sonomi Shirasaki, Motoo Asakawa, Ryosuke Komami, Yuichi Tanaka	Theoretical analysis of high dimensional accuracy in cold wire drawing	Japan
C28	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	261	Tsuyoshi Furushima, Yuta Noda, Ken-ichi Manabe	Effective heating conditions for high speed dieless tube drawing process	Japan
C30	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	K06	Jean-Loup Chenot, Elisabeth Massoni, Patrice Lasne	Finite element simulation and optimization of the hydroforming process	France
D01	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	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	71	Mehran Kadkhodayan, Ahmad Erfani Moghadam, Mehdi Heidari	Loading path optimization of T-shape tube hydroforming process	Iran
D04	79	Atsushi Shirayori, Michiharu Narazaki	Hydraulic bulge forming of small diameter tubes	Japan
D05	473	Shi-Hong Zhang, An-Ying Yuan, Yong Xu, Ming Cheng	Influence of new hydroforming loading on formability in auto parts manufacturing	China
D06	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	112	Shen-Yung Lin, Jhih-Cheng Shih	Hydro-formability investigation of bellows with more convolutions	Taiwan
D08	143	Ghader Faraji, Karen Abrinia	Analytical investigation of metal bellows forming process	Iran
D09	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	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	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	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	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	264	Zicheng Zhang, Ken-ichi Manabe, Fuxian Zhu, Mingya Zhang	Determination of circumferential mechanical properties of TRIP steel tube by ring tensile test	Japan
D15	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	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	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	47	Takashi Kuboki, He Huang, Makoto Murata, Yohei Yamaguchi, Kouichi Kuroda	FEM analysis of tube straightener adopting implicit scheme	Japan
E01	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	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	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	Korea
E04	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 simulation	Iran
E05	132	Jui-Chang Lin, Yu-Chun Chen, Shih-Fong Chiou	Optimization of double-square-slot deep drawing process	Taiwan
E06	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	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	252	Sinan Serdar Ozkan	Neuro-fuzzy control of blank holder force to improve formability in deep drawing process	Turkey
E09	208	Takayuki Muranaka, Masato Okada, Kazuhiko Tanaka	Stretch-draw forming of cylindrical cups for improvement of shape accuracy	Japan
E10	189	Zhibing Zhang, Yuqi Liu, Ting Du	Fast flanging defects predict and process optimization in sheet metal forming	China
E11	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	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	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	156	Hasan Ali Hatipoğlu, Naki Polat, Arif Köksal	A methodology to determine friction coefficient in fluidcell forming process	Turkey
E15	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	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	129	Asghar Shamsi-Sarband, Seyed Jamal Hosseinipour, Mohammad Bakhshi-Jooybari	Theoretical and FEM investigation of superplastic blow forming in conical die	Iran
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L12	355	Toru Shimizu, Kunio Matsuzaki, Naoyuki Kanetake	Production of high porosity stainless steel foams from powder	Japan
L13	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	480	Michel Bellet, Paméla Mondalek, Luisa Silva	Numerical modelling of SPS process	France

L15	247	Hans-Åke Häggblad, Pär Jonsén	Modeling of tensile crack formation in metal powder pressing	Sweden
L16	80	Kazunari Shinagawa	A combined phase-field/discrete-element method for simulating sintering process	Japan
M00	k12	Le Xu, Lei Chen, Dirk Steglich, Bruno C. De Cooman, Frédéric Barlat	Modeling the behavior and formability of high Mn steel	Korea
M01	461	Dorel Banabic, George Dragos, Ioana Bichis	Influence of variability of mechanical data on forming limits curves	Romania
M02	509	Ji Hoon Kim, Ji Hyun Sung, David K. Matlock, Daeyong Kim, Robert H. Wagoner	Simple analytical model of shear failure	USA
M03	450	Guillaume Altmeyer, Farid Abed-Meraim, Tudor Balan	Investigation of some localization criteria and their relevance to prediction of forming limit diagrams	France
M04	99	Bekim Berisha, Pavel Hora, Longchang Tong	Constitutive modeling of dynamic strain aging effect under various loading conditions	Switzerland
M05	192	Deok Chan Ahn, Yang Jin Chung	Relation between uniaxial and biaxial tensile properties of ferritic stainless steel sheets	Korea
M06	234	Yasuhiro Hanabusa, Hideo Takizawa, Toshihiko Kuwabara	Evaluation of accuracy of stress measurements determined in biaxial stress tests with cruciform specimen using numerical method	Japan
M07	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	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	510	Lihua Zhan, Jianguo Lin, Kar Cheong Ho, Daniel Balint	Prediction of springback in creep age forming of aluminum alloy plate	China
M10	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	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	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	444	Haibo Wang, Min Wan, Yu Yan, Xiangdong Wu	Experimental and numerical investigation of biaxial behavior of B170P1 steel sheet	China
M14	388	Jing Liu, He Yang, Mei Zhan, Ning Ren	Material parameters identification of thin-walled seamed tube under biaxial stress state	China
M15	97	Emre Esener, Fahrettin Ozturk, Mustafa Yenice	An investigation of use biaxial data in sheet metal forming simulations	Turkey
M16	124	Dehua He, Donsheng Li, Xiaoqiang Li, Chaohai Jin, Weijun Yang	Identification of material parameters for stretch forming of aircraft skin using punch stretch test	China
N00	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	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	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	290	Akinori Yamanaka, Tsuyoshi Kawanishi, Atsuki Oto, Masahiko Yoshino	Crystal plasticity finite element analysis of deformation behavior of single crystal copper by	Japan
N04	60	Lukasz Madej	Influence of microstructure features on strain distribution during micro forming on basis of digital material representation	Poland
N05	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	496	Lukasz Rauch, Lukasz Madej, Jan Kusiak	Modelling of microstructure deformation based on digital material representation integrated with watershed image segmentation algorithm	Poland

N07	506	Chetan Nikhare, Alireza Asgari, Matthias Weiss, Peter D. Hodgson	Fracture of DP590 steel: A multi-scale modeling approach	Australia
N08	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 conditions	Russia
N09	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	255	Mehrdad Foroutan, Mohammad-Amin Bahrami	Analysis of plane strain upsetting by hermitian meshless collocation method	Iran
N11	485	Mohsen Loh-Mousavi, Farhad Teymoori, Ali Etesam	3-D finite element simulation of water jet tube forming process	Iran
N12	265	Keiji Manabe	PSPG rigid-plastic FEM analysis of large deformation in cutting	Japan
N13	15	Mehrdad Foroutan, Rahim Sotoodeh Bahreyni, Mahmoud Farzin	Forward extrusion analysis by rigid-plastic meshless method	Iran
N14	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	317	Leon Kukielka	New damping models of metallic materials and its application in non-linear dynamical cold processes of metal forming	Poland
N16	361	Xiangyang Cui, Guangyao Li, Gang Zheng, Zhou Fang	Cell-based smoothed radial point interpolation method for contact problems in metal forming	China