

ESI Users' Forum Japan 2010 Program

* Program is subject to change without notice.

November 18, 2010

09:30-09:50	Registration	
09:50-10:00	Welcome & Introduction	
	PLENARY	
10:00-10:25	End-to-End Virtual Prototyping / Alain de Rouvray, Chairman & CEO of ESI Group	
10:25-10:50	TBD / H. Yamakawa, Waseda University	
10:50-11:15	Welding simulation: contribution of residual stresses and microstructure evolutions on the fatigue strength / Olivier Davodet, PSA Peugeot Citroën	
11:15-11:40	Digital Human Modeling, A vision of what modeling & simulation might look like in the near future and beyond / Tim Marler, Santos Human Inc.,	
11:40-12:05	Vincent Chaillou, President Product Operations, COO of ESI Group	
12:05-13:00	Lunch Time	
	Parallel Sessions	
	Kikuen/Kikukyo	Kikka
	Virtual Performance	Virtual Manufacturing
13:00-13:25	Update on Virtual Performance Solution ESI Group / Peter Ullrich	Update on Virtual Manufacturing Solution ESI Group / Dominique Lefebvre
	CRASH & SAFETY	SHEET METAL FORMING
13:25-13:50	前面衝突におけるアルミ鋳物部品の破断予測手法開発 日産自動車株式会社 / 名取 奏	Update on Sheet Metal Forming ESI Group / Caroline Borot
13:50-14:15	Fracture Analysis for Short Fiber Reinforced Thermoplastics M. Fujii, UBE Industries, Ltd.	リアメンバモデルの形状凍結不良に関する研究 新日本製鐵株式会社 / 吉田 亨
14:15-14:40	Barrier Models: Enhancement of Plate and Adhesive Rupture Properties ESI Group / Pierre Culiere	冷間プレス加工におけるトライ発OKを目指した取り組み ～980MPa級鋼板部品の事例 株式会社ワイテック / 近藤 裕樹
14:40-15:05	自動車のコンパティビリティに関する研究 早稲田大学 / 山川 宏	Effect of Material Properties and Forming Conditions on Formability of Ferritic Stainless Steel E. Ishimaru, Nippon Steel & Sumikin Stainless Steel Corporation
15:05-15:30	側突用エアバッグの設計例と次世代エアバッグのための技術開発 旭化成エンジニアリング株式会社 / 工藤 正和	Examples of using PAM-STAMP for stamping simulation of high strength steel T. Ando, Topre Corporation
15:30-15:55	Coffee Break	
	Implicit & NVH	WELDING & CASTING
15:55-16:20	VPS developments in Strength, Stiffness, NVH and Interior Acoustics ESI Group / Willem van Hal	ダイカストシミュレーションにおけるProCASTの活用方法 日本イーエスアイ株式会社 / 米澤 剛
	Visual-Environment	
16:20-16:55	End-to-End Virtual prototyping managed with VisualDSS ESI Group / Niels Kimmel	ProCASTによる解析結果と水モデル実験との比較検討 岡山県立大学 / 尾崎 公一 K. Ozaki, Okayama Prefectural University
17:10-17:35	Implementation Frame Works of SDM (Simulation Data Management) in Nissan Technical Center, NA Nissan Technical Center - North America / Daniel Kim	レーザー照射によるセラミックスの熱衝撃解析 株式会社東芝 / 田中 明
17:35-18:00	Accelerating CAE processes with integrated project management and automation systems EDAG / Jaeho Cho	高強度鋼溶接時の熱応力と水素拡散の挙動解析 大阪大学 / 望月 正人, 三上 欣希
18:30-20:30	Gala Dinner	

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Parallel Sessions

	Kikuen/Kikukyo	Kikka
	Virtual Performance	Virtual Manufacturing
	Vibro-Acoustics	SHEET METAL FORMING
10:00-10:25	Update on Vibro-Acoustics ESI Group / Phil Shorter	PAMSTAMP2Gの温間成形シミュレーションへの適用 マツダ株式会社 / 齊藤 直子
10:25-10:50	Prediction of aeroacoustic contribution to interior noise in high speed train's cab with hybrid FE-SEA modeling Alstom Transport SA / Fabienne Guerville	アルミ温間プレス解析の検証 株式会社神戸製鋼所 / 市川 武志 日本イーエスアイ株式会社 / 横井 敦史
10:50-11:15	Vibro-acoustic model of an enclosed electric power generator Caterpillar Inc / David C. Copley	Springback simulation at U-bending - Comparison among Conventional shell, new Shell, Solid Element - K. Kazama, PRESS KOGYO
11:15-11:40	Ares 1X Hybrid Modeling with Comparisons to Flight Data Boeing Space Exploration / Dan Niedermaier	Influence of Anisotropic Property of Plasticity-Dependent Young's modulus on Analytical Accuracy of Springback using Y-U model K. Hayakawa, Shizuoka University
	SAFETY, Biomechanics & Ergonomics	
11:40-12:05	Virtual Seat Prototyping through multi-domains chained simulations ESI Group / Christian Marca	高張力鋼板における、決め押しとしごき成形のスプリングバック抑制効果 日本イーエスアイ株式会社 / 小川 孝行
12:05-13:00	昼食(Lunch Time)	
	Virtual Performance	Virtual Environment
		Electromagnetics
13:00-13:25	Digital Human vision of what simulation might look like in the future Santos Human Inc. / Tim Marler	The Verification Test of Basic Electromagnetic Analysis by CAE Engineer H. Tadano, Isuzu Motor Limited
13:25-13:50	Digital Human models in seating comfort and Ergonomics Hongik University / H. Y. Choi	大規模PAM-CEM解析システムを用いた自動車レーダ性能解析 マツダ(株) / 浜田 康, マツダE&T(株)/鶴長 真里絵
		Fluid Dynamics & Multi Physics
13:50-14:15	Application of the EWK Material Model to the Rib of the Human Thorax FE Models for Adult and the Elderly O. Ito, Honda R&D Co., Ltd.	Update on Multiphysics ESI Group / Mustafa Megahed
14:15-14:40	Finite Element Modeling of Human Finger and Impact Simulation Considering Bone Fracture S. Ujihashi, Tokyo Institute of Technology	Modeling of Pressure-ridge and Propagation Due to Short-Circuit Faults Arc on CVT Cable Installed in Protective Pipe T. Tadokoro, Central Research Institute of Electric Power Industry (CRIEPI)
14:40-15:05	Mechanical Property Evaluation for Running Shoes by FEM Technology (PAM-CRASH) Y. Yamada, Mizuno Corporation	Introduction of CFD Engineering Services supplied by ESI Mindware ESI Group / Anshul Gupta
15:05-15:25	休憩(Coffee Break)	
15:25-15:50	Development of a Robust and Efficient Finite Element Model of Hybrid III Anthropomorphic Test Device Tsinghua University / Zhou Qing	Analysis and design of MOCVD system for LEDs K. Ohkawa, Tokyo University of Science
15:50-16:15	Update on the New Advancement in Pedestrian Safety and Protection: Finite Element Modeling of the FLEX-PLI GTR Legform Humanetics Innovative Solutions, Inc. / Fuchun Zhu,	Optimum design of a cooling system using CFD-ACE+ K. Mizuta, Kagoshima University
16:15-16:40	Development of Evaluation Approach of Cancellous Bone Strength by Using Multi-scale Finite Element Analysis Y. Yamazaki, Doshisha University	Analysis of Transport Characteristics of Chemical Reagents in Biodevices T. Ichiki, The University of Tokyo
16:40-17:05	Biofidelic modeling of skeletal muscles S. Ujihashi, Tokyo Institute of Technology	High-sensitive Analysis by Capillary Zone Electrophoresis Using Electrokinetic Supercharging Preconcentration - From small ions to DNA fragments T. Hirokawa, Hiroshima University