

Wednesday, September 23, 2020

AM Session	Plenary & Keynote Session Chair: Ali Jammoul, PhD Engineering Director Ford	PM Session	BIWs & Autonomous & Electrified Vehicles Introductions Session Co-Chairs: Johannes Siegmann, PhD Manager, Opel Automobile Pat Shafer Principal Engineer, Honda
Time	Virtual Classroom	Time	Virtual Classroom
8:00 am	Ali Jammoul, PhD Engineering Director Ford	11:30 am	Opel Corsa E Johannes Siegmann, PhD, Manager, Boris Kuenkler, PhD, Supervisor Opel Automobile GmbH, Germany
8:15 am	Hau Thai-Tang Chief Product Development & Purchasing Officer Ford	12:00 pm	2021 MACH-E Body Structure Mark Mikolaiczik, Chief Engineer Ford
8:45 am	Ignacio Martín Gonzalez General Director Gestamp, Spain	12:30 pm	2021 Ford Mustang MACH-E – Design Development from A Safety Perspective Djamal Midoun, Manager Peter Frantzeskakis, Director Ford
9:15 am	Andreas Lutz, PhD R&D/TS Director Adhesives DuPont Transportation & Industrial, Switzerland	1:00 pm	2020 Chevrolet Corvette Body Structure Edward Moss, Group Manager General Motors
9:45 am	Break	2:00 pm	Break
10:00 am	Bernhard Hoffmann Vice President United States Steel	2:15 pm	2021 The New Ford Bronco Body Structure – Human Centered Engineering Delivering Customer Wants John Reed, Manager Ford
10:30 am	Ganesh Panneer Vice President & General Manager, Automotive & Specialties Novelis	2:45 pm	2021 Ford Bronco Sport – Design Development from A Safety Perspective Jamil Alwan, PhD, Technical Expert Ford
		3:15 pm	2020 Cadillac Escalade Body Structure, Jeff McCormick General Motors
11:00 am	Paul Graham Executive Director General Motors	3:45 pm	2021 Acura TLX, Jeremy Lucas, Principal Engineer Honda
		5:00 pm	Adjournment



Thursday, September 24, 2020

AM Session	Technical Session: Assembly Technologies Session Co-Chairs: Robert Miller Senior Manager, <i>Fiat Chrysler Automobiles</i> Kathy Holland Senior Manager <i>General Motors</i>	AM Session	Technical Session: Battery Structures & Technologies Session Co-Chairs: Warren Parsons Chief Architect Art Raymond Group Manager <i>General Motors</i>
Time	Virtual Classroom	Time	Virtual Classroom
7:00 am	Mechanisms of Paint Bake Response in Resistance Spot-Welded First and Third Generation AHSS M. Shamsujjoha, H. Ghassemi-Armaki, PhD <i>ArcelorMittal</i> C. Matthew Enloe, <i>CBMM</i> Andrew C. Chuang, PhD, <i>ANL</i> Jason J. Coryell, <i>General Motors</i>	10:15 am	EV Battery Enclosure Overview Warren Parsons <i>General Motors</i>
7:30 am	Resistance Spot Riveting Meets the Challenge of Joining Both Conventional and Multi-Material Structures D.J. Spinella <i>Arconic</i>	10:45 am	Light weight battery housing concept by mixed material structure and suitable dissimilar metals joining process “EASW”, Toru Hashimura, PhD, Taiki Yamakawa, Yoichiro Shimoda, Reiichi Suzuki, PhD <i>KOBE STEEL, LTD, Japan</i>
8:00 am	Evaluating various AHSS with GM quick LME Weld Test Rick Wolf <i>US Steel</i>	11:15 am	VariKa: Consistently Networked Product and Production Engineering Leading to Scalable Ultra-Lightweight Solutions Jörg Hölig, Richard Kordaß, Victor Nißle Martin Rüde <i>EDAG Engineering GmbH, Germany</i>
8:30 am	Break	11:45 am	Break
8:45 am	Surface Defects Evaluation Based on AI Arthur Camanho, Harald Porzner <i>ESI Group</i>	12:00 pm	Joining Process Innovations for High Performance EV Body Structures Sullivan Smith <i>TWI Ltd, UK</i>
9:15 am	Advancing Laser Welding of Steel and Aluminum with Beam Shaping Marc Auger, PhD, Jean-Philippe Lavoie, PhD <i>Coherent</i>		
9:45 am	Next Structural Body Shop Adhesives exhibiting superior environmental exposure resistance Felix Koch, PhD and Andreas Lutz, PhD <i>DuPont</i>	12:30 pm	Battery Thermal Interface Materials Andreas Lutz, PhD Sergio Grunder, PhD <i>DuPont</i>
		1:00 pm	CoreFlow, Generation of Sub Surface Cooling Channels within a Battery Housing Structure Joao Gandra, PhD, Sullivan Smith <i>TWI Ltd, UK</i>
		1:30 pm	Aluminum Sheet Battery Enclosure – Advancements and Updated Concepts Don Whitacre, Leon Kaunitz <i>Novelis</i>

Thursday, September 24, 2020

PM Session	Technical Session: Fab Technologies Session Co -Chairs: Sullivan Smith Manager, TWI Boris Kuenkler, PhD, Supervisor Opel Automobile GmbH	PM Session	Technical Session: Materials Complementing BIW Design Session Co -Chairs: Jamil Alwan, PhD Technical Specialist Ford Paul J. Belanger R&D Director North America GESTAMP
Time	Virtual Classroom	Time	Virtual Classroom
2:00 pm	Zebra Line Laser Heat Treated Die Development Hua-Chu (Michael) Shih United States Steel Corporation Aravind Jonnalagadda Synergy Additive Manufacturing LLC Dajun Zhou, PhD FCA US LLC	5:15 pm	Replacing Press Hardenable Steels (PHS) with U. S. Steel 980 XG3™ AHSS in Automotive Rear Rail Applications Vasant Pednekar, Sanjay Lad, US Steel Alex Khutorsky, Manikandan Babymony, Praveen Nigam Hyundai
2:30 pm	Study on Pulling Failure of the Suction Cups Bicheng Guo, Boyang Zhang, Siyuan Fang, Aofei Zhang, and Lanxiang Yang, Wan Xu, PhD Oakland University	5:45 pm	Un-coated Oxidation-free Press Hardening Steel Qi Lu, Jeff Wang, Jason Coryell, Ming Shi, Sarah Tedesco General Motors
3:00 pm	Digital Integration of the Stamping and BiW Process Chains Todd McClanahan, Werner Teufel, Natàlia Domínguez AutoForm Engineering	6:15 pm	980 XG3™ AHSS exhibits comparable performance to press hardened steel for crashworthiness in A and B-pillar parts Vasant Pednekar, Guofei Chen U. S. Steel Andre Luiz, Adam Ballard, Rajmouli Komarivelli, Haoming Li General Motors
3:30 pm	Break		
3:45 pm	Lasers' Growing Role in the Blanking Market Jay Finn General Manager/CTO LaserCoil Technologies LLC	6:45 pm	Production Line Development for Trial of a Door Beam using 7xxx Hot-Formed Aluminum Richard Newton Novelis
4:15 pm	Local Formability Concepts for Advanced High Strength Steel Brandon Hance, PhD US Steel		
4:45 pm	Early design for Manufacturing & Pre-certification Arnaud Dereims, PhD, Arthur Camanho, Harald Porzner ESI Group	7:15 pm	Adjournment



IABC 2020 Fall Virtual Sessions Registration Form

FEE SCHEDULE FOR REGISTRANTS

General Registration Fee is \$995.00

Includes access to all virtual sessions and to the IABC Fall Summer Virtual Sessions Library for the available abstracts, papers, and presentations for one month starting October 1, 2020. Login information will be delivered via email you provided at the time of registration. You will receive an email confirmation detailing your virtual session. Business attire is recommended for all virtual sessions.

- General Registration/ Co-Author Registration Fee is \$995.00
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PAYMENT METHODS: *(All checks must be drawn from U.S. banks in U.S. funds)*

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