

Wednesday, June 22, 2022

AM Session	Plenary: Electrifications & Autonomous Challenges – Product, Process, People Session Chair: Bernhard Hoffmann Vice President United States Steel Corporation	PM Session	Technology Enabling Vehicle Electrifications Session Chair: Michele Tedesco Global Responsible Metal Stellantis
Time	Politecnico di Torino - Aula Magna Lingotto	Time	Politecnico di Torino - Aula Magna Lingotto
9:00 am	Driven out” ...” trying to move in cities without cars Silvio Pietro Angori Chief Executive Officer and Managing Director <i>Pininfarina S.p.A.</i>	1:20 pm	Novel frontiers for batteries in e-mobility: current challenges and future prospective Mattia Giuliano, PhD <i>Stellantis</i>
9:20 am	Bernhard Hoffmann Vice President <i>United States Steel Corporation</i>		
9:40 am	Automotive Body: never ending demand Antonio Casu Chief Executive Officer <i>Italdesign</i>	1:40 pm	Electric Two-Wheeler Modelling from a Battery Energy Management Perspective Alessandro Falai, Tiziano Alberto Giuliacci, Daniela Misul <i>Politecnico di Torino</i>
10:00 am	Break	2:00 pm	Towards rapid and accurate State of Health estimation for lithium-ion battery pack Sara Luciani, Pier Giuseppe Anselma, Mario Silvagni, Angelo Bonfitto, Nicola Amati, Andrea Tonoli <i>Politecnico di Torino</i>
10:40 am	The Latest Trends in the European Automotive Industry Gianmarco Giorda Managing Director <i>ANFIA - National Association of the Automotive Industry</i>	2:20 pm	An aluminum sheet intensive battery enclosure system with structurally integrated cooling Battery Enclosures Don Whitacre <i>Novelis</i>
11:00 am	Rosanna Serra Head of Stellantis South Europe Materials and Sustainability Engineering <i>Stellantis</i>		
11:20 am	Aluminum solutions in the age of electrification and sustainability Donald Whitacre Senior Manager Customer Solutions Center <i>Novelis</i>	2:40 pm	Cell-to-cell temperature variation in electrified vehicle battery packs during real-world driving: impact on predicted cell lifetimes Pier Giuseppe Anselma, Alessia Musa, Claudio Maino, Daniela Misul, and Giovanni Belingardi <i>Politecnico di Torino</i>
11:40 am	Q & A – Panel Discussions		
12:00 pm	Adjournment & Lunch	3:00 pm	Break

















Wednesday, June 22, 2022

PM Session	Technology Enabling Vehicle Electrifications (cont.) Session Chair: Michele Tedesco Global Responsible Metal <i>Stellantis</i>		
Time	Politecnico di Torino - Aula Magna Lingotto		Thanks to our 2022 sponsors!
3:20 pm	Providing joining solutions for the EV sector; welding of battery modules and motor winding connections Sullivan Smith <i>TWI Ltd</i>		 
3:40 pm	Battery Enclosures and battery frame applications using TWB Seçkin Birzat <i>Laser ISSE</i> Break		 
4:00 pm	3rd Generation AHSS in Baosteel Aldo Ajmar Baosteel		 
4:20 pm	Regenerative smart shock absorber for next generation of suspension systems Nicola Amati, Andrea Tonoli, Renato Galluzzi, Salvatore Circosta, Gennaro Sorrentino, Angelo Bonfitto <i>Politecnico di Torino</i>		 
4:40 pm	Electrohydraulic suspension leveling for inductive charging and battery swapping Marek Łach <i>HOERBIGER Automotive Sp. Z o.o</i>		 
5:00 pm	Adjournment		 
			 

Thursday, June 23, 2022

AM Session	Digital Design, Material Technology & Manufacturing Session Chair: Sullivan Smith Head of Automotive Applications TWI	PM Session	Digital Design, Material Technology & Manufacturing Session Chair: Sullivan Smith Head of Automotive Applications TWI
Time	Politecnico di Torino - Aula Magna Lingotto	Time	Politecnico di Torino - Aula Magna Lingotto
8:30 am	Underbody design for Battery Electric Vehicles Jurgen Ascurra, Filippo Luzzi, Giovanni Belingardi, PhD, Alessandro Scattina, PhD, Andrea Panfili Politecnico di Torino Giorgio Luigi Masoero, Roberto Puppini Fiat Research Center Luca Stolcis Stellantis	10:30 am	Is Now the Time for Laser Blanking? Jay Finn <i>LaserCoil Technologies LLC</i>
8:50 am	High Strength Steel in the Automotive Industry and New Methods to Model Sheet Metal Failure Michele Tedesco, Daniele De Caro <i>Centro Ricerche Fiat</i> David Frómet <i>Eurecat, Centre Tecnològic de Catalunya</i>	10:50 am	BMW Mini: Body shop weld quality improvement and cost reduction realization by smart data handling Sullivan Smith TWI Tim McGrath, Mark Verney <i>BMW</i>
9:10 am	Multi Part Integration approach for Body Structure using breakthrough Hot Stamped Laser Welded Blanks and patch solutions Jesse Paegle <i>ArcelorMittal Tailored Blanks</i>	11:10 am	Coil-fed Blanking & Laser Cutting Line Seçkin Birzat <i>Laser ISSE</i>
9:30 am	TWP a new product is born Mario Padovani <i>Baosteel Tailored Blanks</i>	11:30 am	Diode lasers from infrared to blue in Automotive Applications Johannes Schäfer, PhD, Andre Eltze, PhD <i>Laserline</i>
9:50 am	Smarter and sustainable steels to meet automotive Challenges Bernardo Barile <i>ArcelorMittal Automotive Europe</i>	11:50 am	Smart Production begins with a Smart Process Engineering Gianfranco Ruggiero <i>AutoForm</i>
10:10 am	Break	12:10 pm	Review & Feedback by Attendees of IABC 2022 Turin Nasim Uddin, PhD – Moderator <i>Global Automotive Management Council</i>
		12:30 pm	Adjournment & Transportation to Italdesign

Thursday, June 23, 2022

PM Tours			
Time	Politecnico di Torino - Aula Magna Lingotto		Thanks to our 2022 sponsors!
12:30 pm	<p>Italdesign Tour</p> <p>Business Lunch Buffet at the Historical Car Museum of Italdesign following a Smart Company Tour</p> 		     
3:00 pm	<p>Pininfarina Tour</p> <p>Visit of the Pininfarina Historical Museum following a Company Smart Tour focusing on Design Development of a Car</p> 		       
6:00 pm	Adjournment		