

AGENDA

Tuesday, 4 June 2019

- 9.00 h 🏠 Room: Paris Welcome and introduction of the congress
- 9.15 h P1 **GER** Project SVEN – vehicle development in the context of „shared mobility“
Christian Kürten, FEV Vehicle GmbH, DE - Markus Volm, share2drive GmbH, DE
- 9.40 h P2 **Non-destructive inspection using robotic computertomography on a total vehicle**
Dr. Stefan Kerscher, BMW Group, DE
- 10.05 h P3 **ENG** RoboCT and XXL-CT – Latest advances in X-ray imaging for non-destructive testing of large and complex car components up to the whole car body
Wolfgang Holub, Fraunhofer-Institut für Integrierte Schaltungen IIS/Entwicklungszentrum Röntgentechnik EZRT, DE
- 10.30 h ☕ Coffee break

PARALLEL SESSIONS

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	Room: Paris Parallel session 1 CAR BODY PARTS / FORMING TECHNOLOGY	Room: London Parallel session 2 BODY SHOP / JOINING TECHNOLOGIES	Room: Amsterdam Parallel session 3 CAR BODY MATERIALS	Room: Madrid Parallel session 4 CAR BODY PAINTING AND SURFACE TECHNOLOGIES
11.00 h	1.01 L Multistep hot stamping process, a revolutionary lightweighting technology ENG Manuel Lopez Lage, Gestamp, ES	2.01 F Flexibility of assembly systems – Basis for digitalisation and networking ENG Markus Wendl, Deprag Schulz GmbH & Co., DE	3.01 L The development and application of 3rd Gen AHSS between SGM and Baosteel ENG Dr. Yong Zhong, Baosteel Tailored Blanks S.r.l CN - Jiajie Chen, Pan Asia Technical Automotive Center, CN	
11.30 h	1.02 L Efficiency enhancement in sheet metal forming GER Sascha Sikora, thyssenkrupp Steel Europe AG, DE	2.02 D Challenges during the implementation of AI for image processing in industrial environments GER Dr. Tobias Hanning, Automation W+R GmbH, DE	3.02 L Integrated production flow for modular and flexible rear rail ENG Ronberto Genovese, Alfa Romeo / FCA Italy S.p.a., IT - Mario Padovani, Baosteel Tailored Blanks S.r.l., IT - Lorenzo Castori, Tiberina Group, IT	4.02 GER An innovative zinc phosphatation is finding its way Dr. Ulrich Hönig, Chemische Werke Kluthe GmbH, DE
12.00 h	1.03 ENG Imaging oillayer control on sheet metals with fluorescence and IR absorption Dr. Albrecht Brandenburg, Fraunhofer Institut für physikalische Messtechnik (IPM), DE - Bernhard Igel, Amepa GmbH, DE	2.03 F Body Shop 4.0 - innovative solutions to increase flexibilities GER Martin Cüppers, Ingenics AG, DE	3.03 L, F ALLIANCE - project: Sustainable and cost efficient lightweight design by the use of innovative material and manufacturing technologies ENG David Joglar, Toyota Motor Europe, BE - Dinesh Thirunavukkarasu, Institut für Kraftfahrzeuge (ika), RWTH Aachen University, DE	4.03 GER New dry paint arrest systems for the Automotive Paint Shops Michael Steuer, Freudenberg Filtration Technologies SE & Co. KG, DE
12.30 h 🏠	Guided Tours Themed guided tours through the exhibition with stops at exhibitors presenting at the congress			
13.30 h 🍴	Lunch break and visit of the exhibition The Congress Lunch takes place only in the exhibition hall. Please follow the signs!			
15.00 h	1.04 L The Hot Form Quench partner network - strategic collaboration to develop aluminium hot stamping technology ENG Adrian Tautscher, Impression Technologies Ltd, UK	2.04 F Sensitive robotics for body in white production. Best - practice applications GER Dr. Ronald Naderer, FerRobotics Compliant Robot Technology GmbH, AT - Marcel Komondi, Audi AG, DE	3.04 ENG Ablation 2.0 - a new process for the laser welding of AISi-coated press hardened steels Ivan Viaux, Arcelor Mittal Global R&D, FR	4.04 L Thermosetting materials for Additive Manufacturing GER Thomas Wagner, Tiger Coatings GmbH & Co. KG, AT
15.30 h	1.05 L Advanced forming of Al6XXX blanks GER Christian Juricek, Magna Cosma Engineering Europe GmbH, AT	2.05 GER Increased flexibility and significant savings: A new approach to robot guidance for body production André Hack, Sick AG, DE Jan Cejka, Skoda auto as, CZ	3.05 GER Influence of different zinc coatings on the laser beam brazing process Florian Albert, Scansonic MI GmbH, DE	4.05 F Automotive Coatings for Digital Application ENG Dr. Michael Wolfe, Axalta Coating Systems, LLC, US
16.00 h ☕	Coffee break			
16.15 h	1.06 D Assembly based springback compensation GER Thomas Bauer, AutoForm Engineering Deutschland GmbH, DE	2.06 ENG Estimating the true cost of metrology in automotive BiW – comparing traditional quality control methods with new metrology approaches Paul Lightowler, Nikon Metrology NV, BE - Jason Ososki, Nikon Metrology NV, UK	3.06 L Aluminium drives innovation for the future of mobility ENG Michael Hahne, Novelis AG, CH	4.06 GER Cavity protection without tempering Tobias Röder, Fuchs Schmierstoffe GmbH, DE
16.45 h	1.07 L Flexible, automated and customizable tailored tempering inside the press hardening furnace GER Carsten Brörmann, Ebner Industrieofenbau GmbH, AT - Michael Blümel, Magna Cosma Engineering Europe GmbH, DE	2.07 ENG Quality improvement in car body manufacturing by optical 3D metrology GER Dr. Carsten Reich, GOM GmbH, DE - Marcus Hofmann, Audi AG, DE	3.07 L Next generation high formability alloys and the need for predicting forming behavior in order to make optimal design choices ENG Bart Sprengers, Aleris Aluminium bvba, BE	4.07 GER New Applications & Technologies in Cavity Protection: Where Do You Start? Peter Jaeschke, IPR Intelligente Peripherien für Roboter GmbH, DE
17.15 h	1.08 ENG Investigation of galvanized coating evolution during hot stamping Henrique Lacerda, Eleuterio Usiminas SA, BR	2.08 L New leak and intrusion testing methods for aluminium battery enclosures for hybrid and electric vehicles ENG Kai Schwarz, Constellium N.V., DE	3.08 F HP-DC aluminum alloys for application in electric mobility GER Dr. Stuart Wiesner, Rheinfelden Alloys GmbH & Co. KG, DE	
17.45 h 🇪🇺	End of the first congress day			
18.00 h 🍷	After work party			

- 9.00 h 🗨️ Welcome and introduction of the congress
- 9.10 h P4 **ENG** Value generation by Smart Manufacturing
Dr. Cengiz Deniz, Ford Otosan, TR
- 9.35 h P5 **GER** The e-mobility challenge for the digital design process
Dr. Lars Fredriksson, Altair Engineering GmbH, DE
- 10.00 h ☕ Coffee break

PARALLEL SESSIONS

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Room: Paris
Parallel session 5
CAR BODY PARTS /
FORMING TECHNOLOGY

Room: London
Parallel session 6
BODY SHOP /
JOINING TECHNOLOGIES

Room: Amsterdam
Parallel session 7
PRODUCTION AND QUALITY
ASSURANCE CONCEPTS

Room: Madrid
Parallel session 8
CAR BODY PAINTING AND
SURFACE TECHNOLOGIES

10.30 h	5.01 D GER	Optimal material utilization of steel and aluminium body parts – sustainable and cost-effective <i>Ralf Pfitzenmaier, EDAG Production Solutions GmbH & Co. KG, DE</i>	6.01	Current car body laser joining trends <i>Mark Daichendt, Laserline GmbH, DE</i>	7.01 ENG	The BIW assembly line of the new Alpine <i>Yves Coulon, Groupe Renault, FR Jean Michel Demaldent, Groupe Renault, FR</i>	8.01 D, F GER	Inline quality monitoring in the paint shop with 24/7 spray monitoring <i>Dr. Meiko Hecker, AOM-Systems GmbH, DE</i>
11.00 h	5.02 L ENG	New unified A pillar– B pillar structure with 3rd generation AHSS <i>Semih Karabulut, Ahmet Mert, Tofaş Türk Otomobil Fabrikası A.Ş., TR</i>	6.02 GER	Latest generation laser welding combines advantages of dynamic and tactile systems <i>Peter Cornelius, thyssenkrupp System Engineering GmbH, DE</i>	7.02 F GER	Heavy load robot collaboration - industrial robots used as flexible manipulators in assembly processes <i>Alexander Barth, Keba AG, AT</i>	8.02 ENG	In-line metrology of surface roughness and texture using coherent light scatter technology <i>Dr. Fabio Pini, Ideativa SRL / Università degli studi di Modena, SE Prof. Dr.Lars Bääh QISAB, SE</i>
11.30 h	5.03 F ENG	Maximising lightweighting in steel automotive bodies and frames with the Steel Tube Air Forming process <i>Ryuichi Funada, Sumitomo Heavy Industries, Ltd., JP</i>	6.03 GER	Blower-crossjet for scanner optics and air-management in remote laser welding cells <i>Jan Delskamp, Bergmann & Steffen GmbH, DE</i>	7.03 F GER	Flexible cell manufacturing: the revolution in automobile production <i>Tobias Herwig, IPO.Plan GmbH, DE</i>	8.03 GER	Applications of scratch testing in the paint shop <i>Paul Pavlov, Anton Paar Germany GmbH, DE</i>
12.00 h	5.04 D GER	Industry 4.0: Advanced maintenance, process control and documentation systems for press hardening furnaces <i>Christoph Schneider, Aichelin Ges.m.b.H., AT</i>	6.04 L GER	Efficient laser based joining processes of aluminum 6xxx and hybrid materials <i>Andreas Müllegger, TRUMPF Laser- und Systemtechnik GmbH, DE</i>	7.04 D	Target plan vs actual plan - Quality assurance and defect tracking in ramp up through Smart Objects <i>Timur Ripke, COMAN Software GmbH, DE</i>	8.04 D GER	VR Paintshop: The paint is ready <i>Christoph Huber, EDAG Production Solutions GmbH & Co. KG, DE</i>

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15.00 h			6.05 L GER	Efficient joining of FRPC in car body construction by means of induction <i>Stephan Becker, Institut für Verbundwerkstoffe (IVW) GmbH, DE</i>	7.05 GER	Intelligent testing and commissioning technologies for the end-of-line area in auto-motive production <i>Marcel Otto, Lennard Margies ZeMA - Zentrum für Mechatronik und Automatisierungstechnik GmbH, DE</i>	8.05 D ENG	Simulating coating thickness without calibration <i>Prof. Dr.Alireza Eslamian, ESS Engineering Software Steyr GmbH, AT</i>
15.30 h	5.06 L	Characterization of the surface topography of Class-A carbon fibre components along the entire process chain <i>Dominik Metzger, BMW Group, DE</i>	6.06 D ENG	Mechanical and adhesive joining hybridization and simulation <i>Andreas Kiefer, Atlas Copco IAS GmbH, DE Per-Johann Wahlborg, RISE IVF AB, SE</i>	7.06 D ENG	VR/AR collaboration - sustainable, efficient, couch-affine. Networked work in automotive engineering projects <i>Dr.Frank Breitenbach, EDAG Production Solutions GmbH & Co. KG, DE</i>	8.06 D GER	Simulation-based development of cavity wax nozzles <i>Tobias Mondry, Pfinder KG, DE</i>
16.00 h	5.07 L ENG	Manufacturing of hybrid metal/ thermoplastic composite structural car parts using novel technologies <i>Dr. Rey Rodriguez Pilar, AIMEN Technology Centre, ES</i>			7.07 F ENG	Always one step ahead – flexible, modular assembly technologies for smart integration of electric vehicles and autonomous driving <i>Andreas Hohmann, Dürr Systems AG, DE</i>	8.07 D ENG	Controlling liquid behavior: spray in pre-treatment as an example <i>Prof. Dr.Alireza, Eslamian ESS Engineering Software Steyr GmbH, AT</i>
16.30 h			6.08 ENG	Mechanical and adhesive joining on narrow flanges <i>Dr. Paul Briskham,Atlas Copco IAS GmbH, UK</i>	7.08 F GER	Agile body construction for e-mobility <i>Dr. Georg Bergweiler, RWTH Aachen University, Production Engineering of E-Mobility Components, DE</i>		

17.00 h 🏠 End of the second congress day