

# Presentations EDM CAE Forum 2019

17. July 2019

09:00	<p><b>Data is the new Oil. (DE, trans)</b> C1.1 Jan Brecht, Daimler AG</p>
09:30	<p><b>Digital Transformation R&amp;D - Data Driven Product Development. (DE, trans)</b> C1.1 Dr. Siegmur Haasis, Daimler AG</p>
10:00	<p><b>Daimler Trucks Purpose and the contribution of Engineering Data Management. (DE, trans)</b> C1.1 Markus Maier, Daimler AG</p>
10:30	<p><b>What does the digitalization of development mean? (DE, trans)</b> C1.1 Prof. Dr. Thomas Breitling, Daimler AG</p>
11:00	<p><b>PDM2020: Experience DigitalTwin@MBC. From vision to tangible products. (DE, trans)</b> C1.1 Heike Halkenhäusser, Daimler AG   Hanjo Petzold, Daimler AG</p> <p><b>The transformers – Cloud, AI and mixed reality change the planet. (DE, trans)</b> C1.2 Uwe Falkenberg, Microsoft Deutschland GmbH   Florian Schuster, Microsoft Deutschland GmbH</p> <p><b>Empowering digital design. (EN, trans)</b> C1.3 Bob Haubrock, Siemens PLM Software</p> <p><b>NPP (new prototype process). (DE)</b> C4.1 Larissa Sapronov, Daimler AG   Günther Renz, Daimler AG</p> <p><b>Engineering tool suite. Easy use of complex applications. (DE)</b> C4.2+3 Christoph Grete, AKKA GmbH &amp; Co. KGaA</p> <p><b>The digital stamping process – Bridging the gap from component to car body. (DE)</b> C5.1 Ralf Schmidt, AutoForm Engineering Deutschland GmbH</p> <p><b>Networking machining centres and robots by means of digitalization. (DE)</b> C5.2+3 Jacob Dittmar, Tebis AG</p> <p><b>MBSE collaboration by means of using engineering IT standards. (DE)</b> C6.1 Rolf Bosse, Daimler AG   Vanessa Sehon, Daimler AG</p> <p><b>Modularization of 3D engineering data. (DE)</b> C6.2 Dr.-Ing. Alexander Christ, Elysium   Johannes Biedert, Daimler</p> <p><b>Intelligent assembly matcher: AI-based efficiency increase in CAD design. (DE)</b> C7.1 Daniel Kwittung, SprintEins GmbH   Lutz Gansert, Daimler AG</p> <p><b>Unlock the value of your “things” data. (DE)</b> C7.2+3 Tilman Taubert, Cisco Systems</p>
12:30	<p><b>Developing the cars of the future with the digital enterprise of the future. (EN, trans)</b> C1.1 Joe Bohman, Siemens PLM Software</p> <p><b>TechTalk: Augmented reality challenge – A steeplechase through reality. (DE, trans)</b> C1.2 Robert Dyhringer, Daimler AG   Thomas Klebsattel, Daimler AG</p> <p><b>IT partner integration – Implementation of flexible solutions for agile integration. (DE, trans)</b> C1.3 Hans-Peter Martin, Daimler AG   Dr. Uwe Vogel, Daimler AG</p> <p><b>IT/D data exploration platform – Basis for AI and analytics. (DE)</b> C4.1 Christopher Schmitt, Daimler AG</p> <p><b>Machine learning in engineering data management. (DE)</b> C4.2+3 Thiemo Hörnke, msg systems ag</p> <p><b>Potentials of analytics in Daimler Trucks. (DE)</b> C5.1 André Schwarz, Daimler AG   Dr. Michael Wöhr, Daimler AG</p> <p><b>Quantum speed for real-time optimizations in production, logistics and mobility. (DE)</b> C5.2+3 Dr. Fritz Schinkel, Fujitsu</p> <p><b>Panel discussion: Artificial intelligence and CAE – status and (possible?) future. (DE)</b> C6.1 Franz R. Klimetzek, Daimler AG   TWT GmbH Science &amp; Innovation   Renumics GmbH   Altair Engineering GmbH   Next Data Service AG</p> <p><b>Democratization of simulation – New browser-based Modelon simulation environment. (DE/EN)</b> C6.2 Hubertus Tummescheit, Modelon</p>

	<p><b>Collaboration hubs: PLM coupling and contractor portals for joint engineering. (EN)</b>  <b>C7.1</b> Dr. Patrick Müller, CONTACT Software</p> <p><b>Range prediction and e-mobility – How digitalization gets you to your destination. (DE)</b>  <b>C7.2+3</b> Dr. Philipp Hofemeier, TWT GmbH Science &amp; Innovation   Dr. Sebastian Stein, TWT GmbH Science &amp; Innovation</p>
14:00	<p><b>Future R&amp;D in a transforming industry. (DE, trans)</b>  <b>C1.1</b> Jasmin Eichler, Daimler AG</p> <p><b>Digital planning and manufacturing @ Daimler. (DE, trans)</b>  <b>C1.2</b> Joachim Schraitle, Daimler AG   Alexander Weiss, Daimler AG</p> <p><b>Fully autonomous driving: Reality or fiction? (DE, trans)</b>  <b>C1.3</b> Martin Eichhorn, DXC Technology</p> <p><b>What do coffee machines and big data have in common? (DE)</b>  <b>C4.1</b> Daniel Arnold, Daimler AG   Andreas Nagel, Daimler AG</p> <p><b>DBrAIIn – From intelligent part numbers to autonomous driving. (EN)</b>  <b>C4.2+3</b> Shirsha Ray Chaudhuri, Mercedes-Benz Research &amp; Development Ind   Vinil Vadakkepurakkal, Mercedes-Benz Research &amp; Development Ind</p> <p><b>Practical implementation of an end-to-end IoT architecture in smart production. (DE)</b>  <b>C5.1</b> Tayfun Hatipoglu, Software AG</p> <p><b>Artificial intelligence in collision management. (DE)</b>  <b>C5.2+3</b> Frank Stahlhut, Daimler AG   Hermann Gaigl, invenio Virtual Technologies GmbH</p> <p><b>Presentation Cancelled: Multifunctional optimization of gas exchange and charge dynamics. (DE)</b>  <b>C6.1</b> Valentin Mayer, Daimler AG</p> <p><b>Machine learning for CAE simulations – Predicting job queueing times. (DE)</b>  <b>C6.2</b> Dr. Alejandro Bolaños, GNS Systems GmbH   Tobias Grosch, GNS Systems GmbH</p> <p><b>Digital twin powered by linked data layer. (DE)</b>  <b>C7.1</b> Sebastian Dörr, CONWEAVER GmbH</p> <p><b>Big picture: The role of 3D (CAD) in MBSE development process chains.? (DE)</b>  <b>C7.2+3</b> Dr. Sebastian Handschuh, Daimler AG   Andreas Sigloch, Daimler AG</p>
15:30	<p><b>Save time and money with Telemotive Test Automation. (DE/EN, trans)</b>  <b>C1.1</b> Bastian Raymann, MAGNA Steyr Fahrzeugtechnik AG &amp; Co. KG   Alexander Mosen, MAGNA Steyr Fahrzeugtechnik AG &amp; Co. KG</p> <p><b>Automotive software development – DevOps for the car. (DE/EN, trans)</b>  <b>C1.2</b> Dr. Joachim Mayer, Daimler AG</p> <p><b>Digital engineering for the connected world. (DE, trans)</b>  <b>C1.3</b> Udo Lange, Capgemini Invent</p> <p><b>Human Centric Assembly Validation – The Operator 4.0 (DE)</b>  <b>C4.2+3</b> André Rückert, ESI Software GmbH</p> <p><b>AI, ML und deep learning first-hand – A mix of cool AI, demystification and realism. (DE)</b>  <b>C5.1</b> Johannes Hohenbichler, Daimler AG   Hans Jörg Schreitmüller, Daimler AG</p> <p><b>Innovative technologies and system integration for automotive assembly. (DE/EN)</b>  <b>C5.2+3</b> Rüdiger Dorn, Ingenics AG   Martin Schimanski, Ingenics AG</p> <p><b>Digital data reviewer – How AI accelerates the process of vehicle thermal protection. (DE)</b>  <b>C6.1</b> Sven-Erik Pohl, Daimler AG   Tobias Rößler, TWT GmbH Science &amp; Innovation</p> <p><b>Robust design optimization and automated variation analysis using optiSLang. (DE)</b>  <b>C6.2</b> Dr. Roland Niemeier, Dynardo GmbH</p> <p><b>Numerical modelling of bolted connections for the CAE crash analysis (DE)</b>  <b>C7.1</b> Florian Schauwecker, Daimler AG</p> <p><b>VR methods and game engines on the rise – Insights into current projects. (DE)</b>  <b>C7.2+3</b> Fabian Lehmann, EDAG Production Solutions GmbH &amp; Co. KG   Dr.-Ing. Frank Breitenbach, EDAG Production Solutions GmbH &amp; Co. KG</p>
17:00	<p><b>5G pushes autonomous driving – But technology is not the limiting factor! (DE, trans)</b>  <b>C1.1</b> Christer Neimöck, T-Systems International GmbH</p> <p><b>Process-embedded analytics @ Engineering Daimler Trucks. (EN, trans)</b>  <b>C1.2</b> Bertram Pamminger, Daimler AG</p> <p><b>Data drives eMobility. (EN, trans)</b>  <b>C1.3</b> Jens Nahm, Daimler TSS</p>

	<p><b>Technologies and methods in advanced automotive data analytics. (DE/EN)</b>  <b>C4.1</b> Dr. Sebastian Bode, IAV GmbH   Fabian Bormann, IAV GmbH</p> <p><b>WLTP, “W” is for winners. How we mastered the WLTP challenge with WLTP service. (DE)</b>  <b>C4.2+3</b> Dirk Zeller, Daimler AG   Bernd Wittner, Daimler AG</p> <p><b>Make it digital. Be a pioneer! (DE)</b>  <b>C5.1</b> Digital Collaboration Team Trucks &amp; RD, Daimler AG</p> <p><b>Make variant management fun again. (DE)</b>  <b>C5.2+3</b> Jochen Eberle, Daimler AG   Daniel Bischoff, Daimler AG</p> <p><b>CAE_AutoWorkflow (OptiSLang) framework for setting up automated simulation workflows. (DE/EN)</b>  <b>C6.1</b> Dr. Erich Jehle-Graf, Daimler AG   Dr.-Ing. Marco Grosse, dynardo GmbH</p> <p><b>From streamlined simulation processes and data handling to optimization-driven design. (DE)</b>  <b>C6.2</b> Alexandros Kaloudis, BETA CAE Systems International AG</p> <p><b>Optimization methodology on CAE applications for the automobile industry. (EN)</b>  <b>C7.1</b> Ph. D. Zhenyu Yang, Inspur</p> <p><b>AI automotive – Early warning system for quality and warranty issues. (DE)</b>  <b>C7.2+3</b> Stefan Zizelmann, BearingPoint GmbH</p>
18:00	<p><b>Guest speaker. (DE, trans)</b>  <b>C1.1</b> Bibiana Steinhaus</p>

## 18. July 2019

09:00	<p><b>Defining the new user experience. (DE, trans)</b>  <b>C1.1</b> Prof. h.c. Klaus Frenzel, Daimler AG</p>
10:00	<p><b>Introduction of systems engineering and the potentials for complex products. (DE, trans)</b>  <b>C1.1</b> Jochen Epple, Daimler AG   Christoph Martin, Daimler AG</p> <p><b>Why a digital twin in PDM? (DE, trans)</b>  <b>C1.2</b> Hanjo Petzold, Daimler   Stephan Bille, UNITY</p> <p><b>Introduction: Start-ups. (DE, trans)</b>  <b>C1.3</b> Renumics GmbH   Automotive Simulation Center Stuttgart e.V.   scireum GmbH</p> <p><b>Unity: Use the power of gaming &amp; entertainment for simulation &amp; visualization. (DE)</b>  <b>C4.1</b> Oliver Schnabel, Unity Technologies   Henning Linn, Unity Technologies</p> <p><b>New platform for global changeover management at MB Trucks and Powertrain plants. (DE/EN)</b>  <b>C4.2+3</b> Dr. Oliver Schorr, Daimler AG   Felix Richert, Daimler AG</p> <p><b>Deep learning infrastructure, AI concepts &amp; automated incident data management ADAS. (DE)</b>  <b>C5.1</b> Dr. Ralf Hauenschild, SVA System Vertrieb Alexander GmbH</p> <p><b>The early-phase tool chain – Digitalization and frontloading in mechanical development. (DE)</b>  <b>C5.2+3</b> Dr. Thomas Naumann, Daimler AG</p> <p><b>Modern functional data management – More than a database. (DE)</b>  <b>C6.1</b> Michael Baumann, Daimler AG   Matthias Ebeling, Daimler AG</p> <p><b>Virtual scenarios for development, testing and validation of ADAS/AD functions. (DE/EN)</b>  <b>C6.2</b> Dr. Michael Burger, Fraunhofer ITWM</p> <p><b>Data-driven and tech-enabled corporate foresight and innovation management. (DE)</b>  <b>C7.1</b> Lars-Alexander Mayer, Reply AG   Antigone Muslijaj, Daimler AG</p> <p><b>AI in the PDM of digital twins. (DE/EN)</b>  <b>C7.2+3</b> Dr. Knut Stang, Altran Deutschland S.A.S. &amp; Co. KG</p>
11:30	<p><b>Security for the automotive ecosystem of the future. (DE, trans)</b>  <b>C1.1</b> Dirk Backofen, T-Systems International GmbH</p> <p><b>Data &amp; services @ digital factory. (DE, trans)</b>  <b>C1.2</b> Rainer Eißrich, Daimler AG</p> <p><b>Introduction: Start-ups. (DE, trans)</b>  <b>C1.3</b> fleXstructures GmbH   quadcover   EXOKNOX GmbH</p> <p><b>Daimler Trucks use cases of systems engineering &amp; software engineering platforms. (DE)</b>  <b>C4.1</b> Murat Bayraktar, Daimler AG   Dennis Schuster, Daimler AG</p> <p><b>AI partnership with HPE – Take pole position with Mercedes-AMG Petronas Motorsport. (EN)</b></p>

	<p><b>C4.2+3</b> Max Walker, HPE   Andy Longworth, HPE</p> <p><b>Inspections in VR – With full PLM integration. (DE)</b></p> <p><b>C5.1</b> Dr. Thomas Gengenbach, PITERION Group</p> <p><b>From digital product to digital production. (DE)</b></p> <p><b>C5.2+3</b> Bernd Watzal, Daimler AG   Bernd Lüdemann-Ravit, Daimler AG</p> <p><b>Underfloor battery protection electric vehicles. (DE/EN)</b></p> <p><b>C6.1</b> Alexander Betz, Daimler AG   Christian Glöggler, Daimler AG</p> <p><b>Virtual test drive for autonomous driving &amp; optimal multiphysics e-motor development. (DE)</b></p> <p><b>C6.2</b> Dr. Markus Schick, Altair Engineering GmbH   Dr. Lars Fredriksson, Altair Engineering GmbH</p> <p><b>Algorithm Driven Root Cause Analysis - Don't call it Ronny! (DE)</b></p> <p><b>C7.1</b> Henning Biehal, Daimler AG   Niklas Lachenicht, Daimler AG</p> <p><b>Events everywhere – Migrating complex IT infrastructures. (DE)</b></p> <p><b>C7.2+3</b> Christian Kind, InMediasP GmbH   Timo Klein, Daimler AG</p>
13:00	<p><b>Rise of the digital twin – The digital twin, our launch pad into a digital future. (DE, trans)</b></p> <p><b>C1.1</b> Uwe Uttendorfer, Daimler AG   Ralf Rentschler, Daimler AG</p> <p><b>GUIDED (R)EVOLUTION – Why alpine guides make better project managers. (DE, trans)</b></p> <p><b>C1.2</b> Matthias Stroezel, SSC-Services GmbH   Günter Mauthe, PEAK EXPERIENCE</p> <p><b>Digital twin in after sales – Closed loop PLM. (EN, trans)</b></p> <p><b>C1.3</b> Sandeep Bhan, Atos International Germany GmbH   Sreesa Kumar Kuppa, Atos Information Technology GmbH</p> <p><b>IT for autonomous driving – Big data for analytics, simulation and training AI. (DE)</b></p> <p><b>C4.1</b> Patrick Ketterl, Daimler AG</p> <p><b>PDM2020@VAN – How MB Vans uses the synergies with Mercedes-Benz Cars. (DE)</b></p> <p><b>C4.2+3</b> Peter Graf, Daimler AG   Dieter Mrozek, Daimler AG</p> <p><b>Role of CAE in the accelerated development of sealing systems. (EN)</b></p> <p><b>C5.1</b> Siva Srinivas Babu Beesetti, Mercedes Benz Research and Development India</p> <p><b>Digital transformation in engineering for the implementation of a model-based enterprise. (DE)</b></p> <p><b>C5.2+3</b> Dr. Marcus Krastel, :em engineering methods AG   Dr. Sven Kleiner, :em engineering methods AG</p> <p><b>IMAGE – Nonlinear fatigue simulation for commercial vehicles. (EN)</b></p> <p><b>C6.1</b> Basaran Oezmen, Daimler AG</p> <p><b>Radar, lidar and digital cameras: Virtual testing of the eyes of autonomous vehicles. (EN)</b></p> <p><b>C6.2</b> Gerd Prillwitz, ANSYS Germany GmbH</p> <p><b>The transformation from application provider to connectivity service provider. (DE)</b></p> <p><b>C7.1</b> Jochen Conrad, Daimler Trucks   Gehring, Ottmar, Daimler AG</p> <p><b>Agility under pressure – Handling complex business requirements at the Daimler WLTP. (DE)</b></p> <p><b>C7.2+3</b> Jörg Wißemann, NTT DATA Deutschland GmbH   Robert Baro, Daimler AG</p>
14:30	<p><b>Efficiency with Daimler Trucks' engineering BOM. (DE, trans)</b></p> <p><b>C1.1</b> Sebastian Fuchs, Daimler AG   Jürgen Hergenhan, Daimler AG</p> <p><b>AI and Big Data management for Autonomous Driving (AD). (DE, trans)</b></p> <p><b>C1.2</b> Alexander Raabe, IBM Deutschland GmbH</p> <p><b>The rise of augmented reality (@ Daimler) – Review and outlook. (EN, trans)</b></p> <p><b>C1.3</b> Dr. Christian Winkler, Daimler Protics GmbH</p> <p><b>Agile@Scale – Collaboratives project and portfolio management with Atlassian Jira. (DE)</b></p> <p><b>C4.1</b> Torben Schwennesen, demicon</p> <p><b>End-2-end enterprise DevOps powered by AI-driven test automation &amp; quality assurance. (DE)</b></p> <p><b>C4.2+3</b> Mehmet Kan, Kanopex Consulting GmbH</p> <p><b>DiFa Next Generation – Taking product and production engineering to the next level. (DE)</b></p> <p><b>C5.1</b> Dr. Holger Burr, Daimler AG   Dr. Christopher Lorch, Daimler AG</p> <p><b>Intelligent agent – I.A. in engineering. (DE)</b></p> <p><b>C5.2+3</b> Marcus Klug, ACONEXT Stuttgart GmbH   Patrick Hofmann, ACONEXT Stuttgart GmbH</p> <p><b>Development of a dynamic VR environment for the Daimler ride simulator. (DE)</b></p> <p><b>C6.1</b> Johannes Schaffner, Daimler AG   Caroline Handel, TWT GmbH</p> <p><b>Digitally transforming electric, connected, autonomous vehicle innovation. (EN)</b></p> <p><b>C6.2</b> Olivier Sappin, Dassault Systèmes</p> <p><b>Data – Your most valuable asset needs your attention! (DE/EN)</b></p> <p><b>C7.1</b> Georg Mey, NetApp  </p>

	<p><b>Global test and defect management for the future of mobility. (DE)</b>  <b>C7.2+3</b> Gunther Fabian, Daimler AG</p>
16:00	<p><b>Vehicle development 2.0 – People and AI. (DE, trans)</b>  <b>C1.1</b> Dr. Andreas Dante, Daimler AG   Frank Schweickhardt, Daimler AG</p> <p><b>PDM 4.0. (DE, trans)</b>  <b>C1.2</b> Dr. Rainer Zeifang, PROSTEP AG   Michael Edig, Daimler AG</p> <p><b>VeriTAS: Logic in product documentation or: The truth lies in the Boole. (DE, trans)</b>  <b>C1.3</b> Stefan Hartweg, Daimler AG   Dr. Christoph Zengler, BooleWorks GmbH</p> <p><b>DMU 4.0 – The way from intelligent algorithms to artificial intelligence. (DE)</b>  <b>C4.1</b> Hermann Gaigl, invenio Virtual Technologies GmbH</p> <p><b>Innovative process automation – Supporting manufacturing technologies with FASTSUITE. (DE/EN)</b>  <b>C4.2+3</b> Thomas Flaig, CENIT AG</p> <p><b>Data management for virtual test drive simulations. (DE)</b>  <b>C5.1</b> Dr. Alex Ehrler, PDTec AG</p> <p><b>Creating a seamless data workflow for additive manufacturing. (DE/EN)</b>  <b>C5.2+3</b> Laurent Hartmann, CT CoreTechnologie GmbH   Van Phuc Tran, CT CoreTechnologie GmbH</p> <p><b>CAX data management process digital product. (DE)</b>  <b>C6.1</b> Sebastian Behringer, Daimler AG   Tobias Lenz, Daimler AG</p> <p><b>Multidisciplinary optimization – Predictive maintenance’s DNA. (DE)</b>  <b>C6.2</b> Conrad F. Töpfer, EnginSoft GmbH</p> <p><b>The future of product documentation is modular. (DE)</b>  <b>C7.1</b> M. Pham-Minh, J. Lang, H. Ströhle, Daimler AG</p> <p><b>Endurance testing with automated test driving. (DE)</b>  <b>C7.2+3</b> Musa Murt, Daimler AG   Dr. Felix Kistler, TWT GmbH Science &amp; Innovation</p>
17:00	<p><b>Vehicle development in a data-driven world. (DE, trans)</b>  <b>C1.1</b> Dr. Michael Hafner, Daimler AG</p>