

## Agenda

MONDAY MAY 20, 2019			
10:00 - 12:00	<b>Welcome Coffee - Registration</b>   Foyer & Foyer Mezzanine		
	<b>Session 1</b>   Ballroom B		
12:00 - 12:05	<b>Conference kick-off - Welcome</b> Chryssa Sferidou, BETA CAE Systems		
12:05 - 12:10	<b>Opening speech</b> Dimitris Angelis, Chairman, BETA CAE Systems		
12:10 - 13:00	<b>Latest Developments &amp; New Products in BETA's product line</b> Chryssa Sferidou, BETA CAE Systems		
13:00 - 14:00	<b>Lunch</b>   Foyer & Foyer Mezzanine		
	<b>Session 2</b>   Ballroom B Moderator: I. Makropoulou		
14:00 - 14:30	<b>RENAULT Model Factory: management of Model Building</b> Laurent Noyelle, RENAULT SA		
14:30 - 15:00	<b>ANSA/META deployment in Groupe PSA</b> Jean-Christophe Carniel, Groupe PSA		
15:00 - 15:30	<b>Future developments in BETA's product line</b> Dimitrios Siskos, BETA CAE Systems International		
15:30 - 16:00	<b>Coffee Break &amp; Technical discussions</b>   Foyer & Foyer Mezzanine		
	<b>Session 3B</b>   Ballroom B Moderator: E. Ioannou	<b>Session 3A</b>   Ballroom A Moderator: N. Drivakos	<b>Session 3C</b>   Ballroom C Moderator: A. Fokilidis
16:00 - 16:30	<b>CAE Data Management and Standard Process Tooling: storyboard from RENAULT Group Model Factory</b> Jeremie Gomez RENAULT SA	<b>Case Study: collaboration for advanced process automation, General Motors &amp; BETA CAE</b> Joshua Sims <sup>1</sup> , Scott Larsen <sup>2</sup> <sup>1</sup> BETA CAE Systems USA, <sup>2</sup> General Motors	<b>The totally new evaluation scheme of JNCAIP from 2020</b> Prof. Sadayuki Ujihashi BETA CAE Systems Japan
16:30 - 17:00	<b>Future Model-build-up process in ANSA using MODULEs</b> Dr. Jürgen Bruns Volkswagen AG	<b>Advancements in batch model preparation with the SDM-Console</b> Michael Tryfonidis BETA CAE Systems	<b>Multi Material Modeling with ANSA: an Application in the Automated Assembly Process at FORD</b> Thanassis Fokylidis <sup>2</sup> , Tunc Uzun <sup>1</sup> , Heiko Wuestner <sup>1</sup> , Niels Pasligh <sup>1,3</sup> , Vangelis Karatsis <sup>2</sup> , Chien Ping Mark Ng <sup>1</sup> <sup>1</sup> Ford Werke GmbH, <sup>2</sup> BETA CAE Systems, <sup>3</sup> RIC Aachen, <sup>4</sup> Ford Motor Company of Australia Ltd
17:00 - 17:30	<b>Automated checklist for intermediate deliveries</b> Julien Barbier Groupe PSA	<b>CAD shape recognition and mesh generation technique using ANSA script</b> Koji Otani Integral Technology Co., Ltd.	<b>Connection model automatic creation tool development at vehicle CAE model building</b> Takashi Nasu Nissan Automotive Technology / Vehicle CAE center
17:30 - 18:00	<b>Lead time reduction - Fast and easy setup of structure load cases using ANSA</b> Dr. Christoph Thiem Presented by Martin Schönecker Opel Automobile GmbH	<b>Exploration of meshing strategies for highly complex parts</b> Dimitris Zafeiropoulos <sup>1</sup> , Stylianos Karditsas <sup>2</sup> , Christos Sachanas <sup>2</sup> , Lazaros Adamoudis <sup>2</sup> , Michael Tryfonidis <sup>2</sup> <sup>1</sup> BETA CAE Systems International, <sup>2</sup> BETA CAE Systems	<b>Substructuring tools for effective pre- and post-processing</b> Nikolaos Nikoglou BETA CAE Systems
18:00 - 20:00	<b>Drinks</b>   Foyer & Foyer Mezzanine		

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<b>Welcome Coffee - Registration</b>   Foyer & Foyer Mezzanine			10:00 - 12:00
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			12:05 - 12:10
			12:10 - 13:00
<b>Lunch</b>   Foyer & Foyer Mezzanine			13:00 - 14:00
			14:00 - 14:30
			14:30 - 15:00
			15:00 - 15:30
<b>Coffee Break &amp; Technical discussions</b>   Foyer & Foyer Mezzanine			15:30 - 16:00
<b>Session 3D</b>   Salon Rumford Moderator: G. Korbetis	<b>Demo Session 3E</b>   Salon Cézanne	<b>Demo Session 3F</b>   Salon Van Gogh	<b>Demo Session 3G</b>   Salon Picasso / Dali
<b>Lattice Structures modeling: introduction to homogenization</b> Nikoleta Pasvanti <sup>1</sup> , Andreas Psarros <sup>1</sup> , George Korbetis <sup>2</sup> , Andreas Vlahinos <sup>3</sup> , Athanassios Mihailidis <sup>4</sup> <sup>1</sup> Aristotle University of Thessaloniki, <sup>2</sup> BETA CAE Systems, <sup>3</sup> Advanced Engineering Solutions			<b>Surface wrapping and Hextreme volume meshing</b> M. Di Nonno
<b>Rapid remodeling in ANSA/META for Additive Manufacturing design optimization</b> Xiao Chen <sup>1</sup> , George Korbetis <sup>2</sup> , Panagiotis Pantazidis <sup>2</sup> , Dimitrios Drougkas <sup>2</sup> <sup>1</sup> Ford Werke GmbH, <sup>2</sup> BETA CAE Systems			
<b>Standardization of X-Attribute body assessment by coupling FEM and MKS</b> Emilie Debauche <sup>1</sup> , Markus Wick <sup>2</sup> , Markus Herbst <sup>3</sup> <sup>1</sup> Arrk P+Z Engineering, <sup>2</sup> Ford Werke GmbH, <sup>3</sup> BETA CAE Systems	<b>Graph View for connectivity information</b> T. Sarridis, K. Skolarikis	<b>META Template Manager</b> I. Karypidis	<b>META post-processing for CFD</b> G. Fotiadis
<b>EPILYSIS new tools and enhancements facilitate analysis set-up and improve solver performance</b> Vasilis Pavlidis BETA CAE Systems International			
<b>Drinks</b>   Foyer & Foyer Mezzanine			18:00 - 20:00

TUESDAY MAY 21, 2019 - Morning Sessions			
08:00 - 08:30	<b>Welcome Coffee - Registration</b>   Foyer & Foyer Mezzanine		
	<b>Session 4</b>   Ballroom B Moderator: L. Rorris		
08:30 - 09:00	<b>Isogeometric Analysis of local deformation and fracture for automotive frames</b> Kenji Takada Honda R&D Co., Ltd. Automobile R&D Center		
09:00 - 09:30	<b>Bringing reality into the virtual world</b> Eric DeHoff <sup>1</sup> , Kishore Pydimarry <sup>1</sup> , Santosh Patil <sup>2</sup> <sup>1</sup> Honda R&D Americas, Inc., <sup>2</sup> BETA CAE Systems USA		
09:30 - 10:00	<b>Automation of pre- and post-processing in Ferrari GT cars project</b> Dr. Luciano Mariella, Rubens Curatola Ferrari S.p.A		
10:00 - 10:30	<b>Complete vehicle CAD extraction, translation and quality report generation at CEVT</b> Jesper Bäcklund China Euro Vehicle Technology AB		
10:30 - 11:00	<b>Coffee Break &amp; Technical discussions</b>   Foyer & Foyer Mezzanine		
	<b>Session 5B</b>   Ballroom B Moderator: K. Gourgounis	<b>Session 5A</b>   Ballroom A Moderator: T. Klotsikas	<b>Session 5C</b>   Ballroom C Moderator: S. Seitanis
11:00 - 11:30	<b>Superelement welds for productive car development</b> Nils Himmelsbach <sup>1</sup> , Christian Graber <sup>1</sup> , Michael Tryfonidis <sup>2</sup> <sup>1</sup> BMW Group, <sup>2</sup> BETA CAE Systems	<b>NVH post-processing automation</b> Dr. Martin Schönecker Opel Automobile GmbH, Groupe PSA	<b>Crash Management system optimization tool in ANSA and META</b> Pedro Ruiz, Ricardo Liñan, Alvaro Arconada SOLUTE
11:30 - 12:00	<b>Improvement of evaluation efficiency by 3D report</b> Seichi Takakuwa Honda R&D Co., Ltd Automobile Center	<b>Evaluation of vehicle interior noise based on loads from a Multi Body Analysis - An integrated BETA suite solution for addressing non-linear mounts</b> Markus Herbst, Apostolos Paraschoudis BETA CAE Systems	<b>ANSA for FMVSS201U: a flexible process</b> Thanassis Fokylidis <sup>1</sup> , Israel Corriolo <sup>2</sup> , Carlos Cano <sup>2</sup> , Hector Hernandez <sup>2</sup> , Joanna Rakowska <sup>3</sup> <sup>1</sup> BETA CAE Systems, <sup>2</sup> FORD of Mexico, <sup>3</sup> FORD Motor Company
12:00 - 12:30	<b>Migration of a post-processing process: from Medina to META</b> Urs Stefan Jedrkowiak, Thomas Brandt, Alexander Schwarzkopf Rheinmetall Automotive AG	<b>How did we realize SPDRM and where will we go? - part I</b> Haruki Kubokawa <sup>1</sup> , Irene Makropoulou <sup>2</sup> , Antonis Perifanis <sup>2</sup> <sup>1</sup> HONDA R&D Co., Ltd. Automobile R&D Center, <sup>2</sup> BETA CAE Systems	<b>CAE modeling of bolts for crash</b> Jens Raine, Per-Anders Eggertsen, Simon Rydberg Volvo Cars Corporation
12:30 - 13:00	<b>ANSA: one of the CAE analysts' best friends</b> Edoardo Ferrante, Dr. Emiliano Costa, Sergio Macchiavello, Alberto Rossi, Maurizio Iannolo, Alessandro Bozzolo, Andrea Trevisi RINA Consulting	<b>How did we realize SPDRM and where will we go? - part II</b> Haruki Kubokawa <sup>1</sup> , Irene Makropoulou <sup>2</sup> , Antonis Perifanis <sup>2</sup> <sup>1</sup> HONDA R&D Co., Ltd. Automobile R&D Center, <sup>2</sup> BETA CAE Systems	<b>Crash Load Paths Analysis based on Field Line Visualization in META post-processor</b> Lailong Song <sup>1</sup> , Rainer Moll <sup>2</sup> , Michael Tryfonidis <sup>3</sup> , Sideridis Athanasios <sup>3</sup> , Fabian Duddeck <sup>4</sup> <sup>1</sup> BMW Group, <sup>2</sup> IDIADA Fahrzeugtechnik GmbH, <sup>3</sup> BETA CAE Systems, <sup>4</sup> Technical University of Munich
13:00 - 13:10	<b>Group-photo shooting</b>   Foyer		
13:10 - 14:00	<b>Lunch</b>   Foyer & Foyer Mezzanine		

TUESDAY MAY 21, 2019 - Morning Sessions	
	<b>Welcome Coffee - Registration</b>   Foyer & Foyer Mezzanine 08:00 - 08:30
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	<b>Coffee Break &amp; Technical discussions</b>   Foyer & Foyer Mezzanine 10:30 - 11:00
	<b>Session 5D</b>   Salon Rumford Moderator: N. Mitroglou
	<b>Building a full UAV aerodynamic database using ANSA pre-processor automated meshing tool</b> Danny Gilad Elbit Systems 11:00 - 11:30
	<b>Aerodynamic Design of Unmanned Aerial Vehicles with innovative layouts, using low and high-fidelity numerical tools</b> Prof. Kyros Yakinthos <sup>1</sup> , Pericles Panagiotou <sup>2</sup> , Pavlos Kaparos <sup>2</sup> <sup>1</sup> Aristotle University of Thessaloniki, <sup>2</sup> UAV-IRC 11:30 - 12:00
	<b>Investigation of aerodynamic loading on a train pantograph</b> Dr. Konstantinos Ritos, Craig Roddick, Dr. Ioannis Kokkinakis University of Strathclyde 12:00 - 12:30
	<b>Computational Haemodynamics in arterial geometries in relation to obesity-induced cardiovascular diseases</b> Dr. Asimina Kazakidi University of Strathclyde 12:30 - 13:00
	<b>Group-photo shooting</b>   Foyer 13:00 - 13:10
	<b>Lunch</b>   Foyer & Foyer Mezzanine 13:10 - 14:00

TUESDAY MAY 21, 2019 - Afternoon Sessions			
	<b>Session 6B</b>   Ballroom B Moderator: N. Economidis	<b>Session 6A</b>   Ballroom A Moderator: T. Sarridis	<b>Session 6C</b>   Ballroom C Moderator: E. Iordanidou
14:00 - 14:30	<b>Discovering the anatomy of a shock absorber with the aid of Computed Tomography and beyond</b> Dr. E. Karatsis, P. Michailidis, I Mezitis, BETA CAE Systems	<b>Efficient time dependent reliability analysis of large systems under Non-Gaussian loading</b> S. Patil <sup>1</sup> , Z. P. Mourelatos <sup>2</sup> , V. Tsianika <sup>1</sup> , D. Papadimitriou <sup>1</sup> <sup>1</sup> BETA CAE Systems USA, <sup>2</sup> Oakland University	<b>Stamp-Crash process: coupling of Forming and Crash Simulations at BMW</b> Dr. Janine Mergel <sup>1</sup> , Andreas Ickes <sup>1</sup> , Marcel Meder <sup>1</sup> , Michael Tryfonidis <sup>2</sup> , Helga Reith <sup>1</sup> <sup>1</sup> BMW Group, <sup>2</sup> BETA CAE Systems
14:30 - 15:00	<b>Composite life prediction model for leaf springs using Finite Element model and testing</b> Kishore Mysore Nagaraja, Hrushikesh Patil, Sharanbassappa Patil, Suresh Nagesh PES University	<b>TYRE FEA modelling using ANSA &amp; META</b> Kesava Reddy Koduru <sup>1</sup> , Shivakumar Biradar <sup>1</sup> , Athanasios Papadopoulos <sup>2</sup> , Markus Herbst <sup>2</sup> <sup>1</sup> BETA CAE Systems India, <sup>2</sup> BETA CAE Systems	<b>Addressing the challenge of late design stage optimization: a passenger car Side Impact case</b> Michael Tryfonidis, Eva Ioannou BETA CAE Systems
15:00 - 15:30	<b>Beam modeling: new developments</b> Kostas Skolarikis <sup>1</sup> , Vasileios Evangelou <sup>2</sup> <sup>1</sup> BETA CAE Systems International, <sup>2</sup> BETA CAE Systems	<b>ANSA as pre-processor for Code_aster</b> Roman Frateczak, Maciej Czaplinski Nobo Solutions	<b>Crash loadcase setup using Include Configurator tool</b> Rajiv Pillai Volvo Group Trucks Technology
15:30 - 16:00	<b>Coffee Break &amp; Technical discussions</b>   Foyer & Foyer Mezzanine		
	<b>Session 7B</b>   Ballroom B Moderator: Y. Kolokythas	<b>Session 7A</b>   Ballroom A Moderator: D. Drougkas	<b>Session 7C</b>   Ballroom C Moderator: L. Iannetti
16:00 - 16:30	<b>The ANSA / LS-DYNA approach for Isogeometric Analysis Simulations</b> Lambros Rorris <sup>1</sup> , Attila Nagy <sup>2</sup> , Stefan Hartmann <sup>3</sup> , Ioannis Chalkidis <sup>4</sup> , Anastasios Vafeidis <sup>4</sup> <sup>1</sup> BETA CAE Systems International, <sup>2</sup> Livermore Software Technology Corporation, <sup>3</sup> DYNAmore GmbH, <sup>4</sup> BETA CAE Systems	<b>χMCF v3.0: An interface standard for exchanging weld information within CAD/CAE</b> Dr. Genbao Zhang <sup>1</sup> , Carsten Franke <sup>2</sup> , FAT AK-25 <sup>1</sup> Volkswagen AG, <sup>2</sup> PROSTEP AG	<b>Cellbond-Phitec Finite Element Q-series Crash-Test-Dummy seating procedure, ANSA perspective</b> Daniele Speziani <sup>1</sup> , Petros Goutas <sup>2</sup> , Chamila Bamunuarachchige <sup>2</sup> , Elena Riscaldina <sup>1</sup> , Michela Vaira <sup>1</sup> <sup>1</sup> Phitec Ingegneria Srl, <sup>2</sup> Cellbond
16:30 - 17:00	<b>Connecting Design and Analysis: Explicit Isogeometric Analysis using ANSA and LS-DYNA</b> Lukas Leidinger <sup>1</sup> , Stefan Hartmann <sup>2</sup> , Lambros Rorris <sup>3</sup> , Roland Wüchner <sup>1</sup> , Fabian Duddeck <sup>4</sup> , Lailong Song <sup>1</sup> <sup>1</sup> BMW Group, <sup>2</sup> DYNAmore GmbH, <sup>3</sup> BETA International, <sup>4</sup> TU Munich	<b>Multidisciplinary spotweld optimization using OPTIM WELDS</b> R. Nimbalkar <sup>1</sup> , T. Jankowiak <sup>1</sup> , V. Gandhi <sup>1</sup> , R. Bhojan <sup>2</sup> , A. Kurane <sup>2</sup> , A. Coppe <sup>2</sup> , J. Sims <sup>1</sup> , J. Rakowska <sup>2</sup> , R. T. Katragadda <sup>2</sup> <sup>1</sup> BETA CAE Systems USA, <sup>2</sup> Ford Motor Company	<b>Automation process for Occupant Safety models with ANSA and LS-DYNA</b> Dimitrios Perperidis, Michael Meyer, Maximilian Beck, Matthias Bauer, Bruno Clement, Peter Protsch PSW automotive Engineering GmbH
17:00 - 17:30	<b>Scripting and the World Beyond</b> Constantin Diez LASSO GmbH	<b>Feature based morphing: a radical change in concept and detailed modeling</b> Eva Ioannou, George Korbetis BETA CAE Systems	<b>Evaluation of occupant injury results using META focus on THOR</b> Fabian Heil, Ricardo Tejero de la Piedra Opel Automobile GmbH
17:30 - 18:00	<b>METAdb as a high-performance results container</b> Antonis Perifanis BETA CAE Systems	<b>Automation of multi-disciplinary analysis processes with ANSA/META and optiSLang</b> Dr. Lars Gråning Dynardo GmbH	<b>Modelling of detailed subject-specific FE rib models for fracture prediction</b> Linus Lundin <sup>1</sup> , Dr. Johan Iraeus <sup>2</sup> Simon Storm <sup>1</sup> , Bengt Pipkorn <sup>3</sup> <sup>1</sup> AF Industry, <sup>2</sup> Chalmers University of Technology, <sup>3</sup> Autoliv Development
19:00 - 23:00	<b>Reception - Dinner &amp; Entertainment</b>   Salon Marco Polo		

TUESDAY MAY 21, 2019 - Afternoon Sessions				
	<b>Session 6D</b>   Salon Rumford Moderator: A. Iordanidis	<b>Demo Session 6E</b>   Salon Cézanne	<b>Demo Session 6F</b>   Salon Van Gogh	<b>Demo Session 6G</b>   Salon Picasso / Dali
	<b>External Flow Analysis (CFD) for an Airborne Gimbal</b> David Lozano Elbit Systems – ISTAR	<b>NEERE: New product demonstration</b> V. Souliotis, S. Kleidarias	<b>Latest developments in meshing of structural parts</b> D. Zafeiropoulos	<b>Topology optimization using EPILYSIS and ANSA &amp; META workflow - Beam-section optimization</b> D. Drougkas
	<b>Roof racks aerodynamic optimization for a utility vehicle</b> Inaki Caldichoury, Facundo Del Pin, Rodrigo Paz, Chien-Jung Huang LSTC		<b>Mid-surfacing of Casting parts - Challenges and solutions</b> D. Zafeiropoulos	
	<b>Latest Development in Volume Meshing for CFD</b> Vangelis Skaperdas BETA CAE Systems	<b>The state of the BETA Development Platform</b> Y. Kolokythas		<b>Design optimization set up using the new Optimization Tool</b> E. Ioannou
	<b>Coffee Break &amp; Technical discussions</b>   Foyer & Foyer Mezzanine			
	<b>Session 7D</b>   Salon Rumford Moderator: V. Skaperdas	<b>Demo Session 7E</b>   Salon Cézanne	<b>Demo Session 7F</b>   Salon Van Gogh	<b>Demo Session 7G</b>   Salon Picasso / Dali
	<b>Multidisciplinary simulation of automotive water pumps</b> Dr. Remo De Donno Industrie Saleri Italo	<b>NVH pre-test analysis and Modal Parameter Estimation (MPE)</b> M. Herbst	<b>Durability Load-Cases set-up with the new Load-Case Assistant of ANSA</b> Y. Asaniotis	<b>RETOMO: The new era of segmentation exploiting Machine Learning</b> P. Michailidis, V. Karatsis
	<b>Design and CFD analysis of a new rotary gas compressor</b> Dimitris Vogiatzis <sup>2</sup> , Evangelos Mallios <sup>1</sup> , Savvas Savvakis <sup>1</sup> , Zisis Samaras <sup>2</sup> <sup>1</sup> theSARMproject, <sup>2</sup> Aristotle University of Thessaloniki			
	<b>Automated Morphing and Optimization of blade assemblies in aerospace and automotive applications</b> Raghu Mohan Reddy Suravaram, Ravi Nimbalkar, Joshua Sims BETA CAE Systems USA	<b>Squeak &amp; Rattle using EPILYSIS</b> S. Porikis	<b>Modular Run Management in a collaborative environment, for analysts and teams</b> C. Kougioumtzoglou, I. Makropoulou	<b>Material modeling techniques</b> I. Nerantzis, E. Palaioakritris
	<b>The pre-processing priority in Fluid-Dynamics Design</b> Dr. Marco Maganzi <sup>1,2</sup> , Giovanni Lombardi <sup>1</sup> , Antonio Ercoli <sup>1</sup> <sup>1</sup> University of Pisa, <sup>2</sup> CubitLab			
	<b>Reception - Dinner &amp; Entertainment</b>   Salon Marco Polo			

WEDNESDAY MAY 22, 2019 - Morning Sessions			
08:30 - 09:00	<b>Welcome Coffee - Registration   Foyer Foyer &amp; Foyer Mezzanine</b>		
	<b>Session 8   Ballroom B</b> Moderator: M. Tryfonidis		
09:00 - 10:00	<b>BMW - Next Level Engineering: digitalization of know-how in vehicle development</b> Gagan Saket <sup>1</sup> , Hans-Peter Daunert <sup>1</sup> , Michael Tryfonidis <sup>2</sup> <sup>1</sup> BMW Group, <sup>2</sup> BETA CAE Systems		
10:00 - 10:30	<b>FE-Basis Model, The birth of a digital assembly line</b> Paul-Edouard Munch Dr.Ing.h.c.F. Porsche AG		
10:30 - 11:00	<b>Coffee Break &amp; Technical discussions   Foyer &amp; Foyer Mezzanine</b>		
	<b>Session 8B   Ballroom B</b> Moderator: A. Zampoukas	<b>Session 8A   Ballroom A</b> Moderator: A. Fassas	<b>Session 8C   Ballroom C</b> Moderator: M. Giannakidis
11:00 - 11:30	<b>Multidisciplinary topology and parametric optimization of a BiW, following a unique holistic Process within ACP OpDesign</b> Alexis Kaloudis BETA CAE Systems International	<b>Modelling of casting structures - A comprehensive investigation</b> Dr. Octavian Knoll <sup>1</sup> , Michael Tryfonidis <sup>2</sup> <sup>1</sup> BMW Group, <sup>2</sup> BETA CAE Systems	<b>Facilitating the industrial implementation of an adaptive Isogeometric Continuum shell element for laminate analysis</b> Camiel Adams <sup>1</sup> , Martin Fagerstrom <sup>1</sup> , Joris J.C. Remmers <sup>2</sup> , A. Vafeidis <sup>3</sup> <sup>1</sup> Chalmers University of Technology, <sup>2</sup> University of Technology Eindhoven, <sup>3</sup> BETA CAE Systems
11:30 - 12:00	<b>BMW - Next Level Engineering: utilizing digitalized know-how through Machine Learning</b> Gagan Saket <sup>1</sup> , Michael Tryfonidis <sup>2</sup> , Dimitrios Siskos <sup>3</sup> <sup>1</sup> BMW Group, <sup>2</sup> BETA CAE Systems, <sup>3</sup> BETA CAE Systems International	<b>Fast flow simulation using combination of MOLDEX3D and ANSA/META</b> Jing Jin, Jeffrey Cao BASF(China) Co., Ltd	<b>Efficient screening of composite structures using the extended 2D FEM approach in META together with a state-of-the-art Failure Initiation criterion</b> Henrik Molker, Renaud Gutkin, Annika Lundberg Volvo Car Corporation
12:00 - 13:00	<b>Featured demonstration   VR Station - Foyer</b> <b>RENAULT Collaborative VR: application in CFD simulation post-processing activities</b> René Gosselein, RENAULT		
12:00 - 12:30	<b>Comprehensive Simulation Run Management: solutions for analysts and model building teams</b> Irene Makropoulou BETA CAE Systems	<b>Unleashing the full potential of ANSA meshing capabilities for RTM analysis</b> Panagiotis Fotopoulos BETA CAE Systems	<b>Fully automated parameterized model creation of ultra-lightweight carbon fiber wrapped components in ANSA</b> Pascoe Scholle LASSO GmbH
12:30 - 13:00	<b>Quality management of CAE data within a SPDM environment</b> Spyridon Tzamtzis, Irene Makropoulou, Menelaos Pappas BETA CAE Systems	<b>Development of an efficient tool for modelling plastic parts using Machine Learning</b> Yoshikazu Nakagawa <sup>1</sup> , Osamu Ito <sup>1</sup> , Prakash Krishnaswamy <sup>2</sup> , Umesh Mallikarjunaiah <sup>2</sup> <sup>1</sup> HONDA R&D Co., Ltd., <sup>2</sup> Xitadel CAE Technologies India Pvt Ltd.	<b>Non-Linear multi-scale modelling of composites using ANSA tools</b> Vangelis Palaioakastritis, Eleftherios Tsioulas BETA CAE Systems
13:00 - 14:00	<b>Lunch   Foyer &amp; Foyer Mezzanine</b>		

WEDNESDAY MAY 22, 2019 - Morning Sessions				
<b>Welcome Coffee - Registration   Foyer &amp; Foyer Mezzanine</b>				08:30 - 09:00
<b>Coffee Break &amp; Technical discussions   Foyer &amp; Foyer Mezzanine</b>				
<b>Session 8D   Salon Rumford</b> Moderator: G. Fotiadis	<b>Demo Session 8E   Salon Cézanne</b>	<b>Demo Session 8F   Salon Van Gogh</b>	<b>Demo Session 8G   Salon Picasso / Dali</b>	
<b>Efficient watertight preparation tools and methods for CFD meshing at Groupe PSA</b> Nikolaos Batsaris <sup>1</sup> , Gael Roy <sup>2</sup> <sup>1</sup> BETA CAE Systems, <sup>2</sup> Groupe PSA	<b>Getting the most from a library with standard parts</b> M. Skordeji	<b>Pre- &amp; post-processing for Occupant Safety</b> A. Fokilidis, N. Tzolas	<b>Best practices for automated reporting</b> I. Karypidis	11:00 - 11:30
<b>Efficient handling of CFD results through compression</b> Aristotelis Iordanidis BETA CAE Systems				11:30 - 12:00
<b>Featured demonstration   VR Station - Foyer</b> <b>RENAULT Collaborative VR: application in CFD simulation post-processing activities</b> René Gosselein, RENAULT				12:00 - 13:00
<b>CAE Processes at MAHLE Thermal Management</b> Dr. Albrecht Gehring, Dr. Maria Baiker, Dr. Wolfram Kühnel MAHLE	<b>NVH Console: Revolutionising the processes for NVH development</b> T. Klotsikas	<b>Pre- &amp; post-processing for Pedestrian Safety</b> A. Fokilidis, A. Perifanis	<b>User Toolbar Development Kit: a comprehensive solution for developing robust user-toolbars with Python</b> A. Radopoulos	12:00 - 12:30
<b>Automated report generation of corrosion protection simulations</b> Yannick van Dijk, Elmar Stegmayer, Timo Hopf BMW Group				12:30 - 13:00
<b>Lunch   Foyer &amp; Foyer Mezzanine</b>				13:00 - 14:00

WEDNESDAY MAY 22, 2019 - Afternoon Sessions			
	Session 9B   Ballroom B Moderator: S. Kleidarias	Session 9A   Ballroom A Moderator: V. Karatsis	Session 9C   Ballroom C Moderator: K. Kiouptsidis
14:00 - 14:30	<b>Are we ready for huge CAE models?</b> Stavros Kleidarias BETA CAE Systems	<b>Impact of transcatheter valve size on the estimation of paravalvular leakage: an FSI study</b> Laura Iannetti <sup>1</sup> , Giulia Luraghi <sup>2</sup> , Claudio Chiastra <sup>2</sup> , José Félix Rodríguez Matas <sup>2</sup> , Francesco Migliavacca <sup>2</sup> <sup>1</sup> BETA CAE Italy, <sup>2</sup> LaBS, Dep. of Chemistry, Materials and Chemical Engineering, Politecnico di Milano	<b>Applying the VMAP interface standard in ANSA for multi-solver simulation processes</b> Athanasios Fassas, Dr. Georgios Mokios BETA CAE Systems
14:30 - 15:00	<b>VR-Supported Engineering Processes at Daimler</b> Andreas Pau Daimler AG	<b>Gait specific optimization of athletic footwear</b> Alexander Tsouknidas <sup>1</sup> , Katerina Tzolva <sup>2</sup> , Dimitris Drougkas <sup>2</sup> , Evangelos Karatsis <sup>2</sup> , Maria Papagiannaki <sup>3</sup> , Fotini Arabatzi <sup>3</sup> <sup>1</sup> University of Western Macedonia, <sup>2</sup> BETA CAE Systems, <sup>3</sup> Aristotle University of Thessaloniki	<b>How Compare-function can become the secret ingredient for reducing model build-up effort</b> Michael Tryfonidis BETA CAE Systems
15:00 - 15:30	<b>Subjective assessment of customer-oriented functions by enriching finite element simulation technology with virtual reality features</b> Matthias Steinecker, Daniel Heiserer, Rainer Abeltshausen BMW Group	<b>Fatigue failure analysis of a humeral implant: a Finite Element approach</b> Shivkumar Umadi <sup>1,2</sup> , Vyjayanthi Murthy <sup>2</sup> , Dr. Suresh Nagesh <sup>2</sup> , Dr. Venkateswaran Perumal <sup>3</sup> <sup>1</sup> CORI, <sup>2</sup> PES University, <sup>3</sup> Stryker	
15:30 - 16:00	<b>Coffee Break &amp; Technical discussions</b>   Foyer & Foyer Mezzanine		
	<b>Session 10</b>   Ballroom B		
16:00 - 16:15	<b>Closing Remarks - Farewell</b>		

WEDNESDAY MAY 22, 2019 - Afternoon Sessions				
Session 9D   Salon Rumford Moderator: S. Karapantazis	Demo Session 9E   Salon Cézanne	Demo Session 9F   Salon Van Gogh	Demo Session 9G   Salon Picasso / Dali	
<b>Simulating installed antenna performance for automotive radar applications</b> Dr. Christos Liontas, Stefan Frank Fraunhofer FHR	<b>Skinning tools and full vehicle crash optimization with ACP OpDesign</b> T. Sarigiannis	<b>Complete Interior Safety with ANSA &amp; META</b> A. Fokildis, A. Perifanis, N. Tzolas	<b>CFD Model Build with seamless CAD updates through DM and Compare Tool functionality</b> N. Mitroglou	14:00 - 14:30
<b>Specific Absorption Rate Electromagnetic (EM) Simulations in adult and Child tissues</b> Michel Alhilani <sup>1</sup> , Seyed Reza Atefi <sup>2</sup> , Lilla Zollei <sup>2</sup> , Mohammad Mansouri <sup>2</sup> , Filiz Yetisir <sup>3</sup> , Michael H. Lev <sup>3</sup> , P. Ellen Grant <sup>4</sup> , Giorgio Bonmassar <sup>2</sup> <sup>1</sup> Newborn Medicine, Boston Children's Hospital/ Harvard Medical School, <sup>2</sup> Radiology, Massachusetts General Hospital/ Harvard Medical School, <sup>3</sup> Newborn Medicine, Radiology, Boston Children's Hospital/ Harvard Medical School, Presented by: Milton Pena BETA CAE Nordic				14:30 - 15:00
<b>Using ANSA / META for electromagnetic simulation applications with Cadence's Clarity 3D EM solver</b> Wei Wang, Jian Liu Presented by: Yongjun Liu Cadence Design Systems	<b>Topological repair of optimized model</b> A. Papadopoulos	<b>Data quality management with SPDRM</b> S.Tzamtzis	<b>Working with Kinetics on full vehicle assemblies</b> A. Paraschoudis	15:00 - 15:30
<b>Coffee Break &amp; Technical discussions</b>   Foyer & Foyer Mezzanine				15:30 - 16:00
				16:00 - 16:15