# Agenda

**MONDAY MAY 20, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 3B</th>
<th>Session 3A</th>
<th>Session 3C</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 - 12:00</td>
<td>Welcome Coffee - Registration</td>
<td>Foyer &amp; Foyer Mezzanine</td>
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<tr>
<td>12:00 - 12:05</td>
<td>Session 1</td>
<td>Ballroom B</td>
<td>Moderator: E. boannou</td>
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<tr>
<td>12:05 - 12:45</td>
<td>Conference kick-off - Welcome</td>
<td>Chryssa Sferidou, BETA CAE Systems</td>
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<tr>
<td>12:45 - 13:00</td>
<td>Opening speech</td>
<td>Dimitris Angelis, Chairman, BETA CAE Systems</td>
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<tr>
<td>12:10 - 13:00</td>
<td>Latest Developments &amp; New Products in BETA’s product line</td>
<td>Chryssa Sferidou, BETA CAE Systems</td>
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<tr>
<td>13:00 - 14:00</td>
<td>Lunch</td>
<td>Foyer &amp; Foyer Mezzanine</td>
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<tr>
<td>14:00 - 14:30</td>
<td>Session 2</td>
<td>Ballroom B</td>
<td>Moderator: A. Foklitidis</td>
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<tr>
<td>14:30 - 14:50</td>
<td>RENAULT Model Factory: management of Model Building</td>
<td>Lazaroi Noyelle, RENAULT SA</td>
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<tr>
<td>14:50 - 15:00</td>
<td>ANSA/META deployment in Groups PSA</td>
<td>Jean-Christophe Carrel, Group PSA</td>
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<tr>
<td>15:00 - 15:30</td>
<td>Future developments in BETA’s product line</td>
<td>Dimitrios Skokos, BETA CAE Systems Internation</td>
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<tr>
<td>15:30 - 16:00</td>
<td>Coffee Break &amp; Technical discussions</td>
<td>Foyer &amp; Foyer Mezzanine</td>
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<tr>
<td>16:00 - 16:30</td>
<td>CAE Data Management and Standard Processes in Tooling: storyboard from RENAULT Group Model Factory</td>
<td>Jerome Gomez</td>
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<td>16:30 - 17:00</td>
<td>Future Model-build-up process in ANSA using MODULES</td>
<td>Dr. Jürgen Bürns Volkswagen AG</td>
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<td>17:00 - 17:30</td>
<td>Automated checklist for intermediate deliveries</td>
<td>Julien Barban Groupe PSA</td>
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<td>17:30 - 18:00</td>
<td>Lead time reduction - Fast and easy setup of structure load cases using ANSA</td>
<td>Dr. Christoph Thiem Presented by Martin Schönckecker Opel Automobile GmbH</td>
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<tr>
<td>18:00 - 20:00</td>
<td>Drinks</td>
<td>Foyer &amp; Foyer Mezzanine</td>
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*Further sessions and activities are scheduled throughout the day.*
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Details</th>
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<tbody>
<tr>
<td>08:00 - 08:30</td>
<td>Welcome</td>
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<td>Session</td>
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<tr>
<td>08:30 - 09:00</td>
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<td>Iso-Geometric Analysis of local deformation and fracture for automotive frames</td>
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<td>09:00 - 09:30</td>
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<td>Bringing reality into the virtual world</td>
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<td>09:30 - 10:00</td>
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<td>Automation of pre- and post-processing in Ferrari GT cars project</td>
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<td>10:00 - 10:30</td>
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<td>Complete vehicle CAD extraction, translation and quality report generation at CEVT</td>
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<td>10:30 - 11:00</td>
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<td>Coffee Break &amp; Technical discussions</td>
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<tr>
<td>11:00 - 11:30</td>
<td>Session</td>
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<td>11:30 - 12:00</td>
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<td>Crash Management System optimization tool in ANSA and META</td>
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<td>Evaluation of vehicle interior noise based on loads from a Multi Body Analysis - An integrated BETA suite solution for addressing non-linear mount performances</td>
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<td>12:00 - 12:30</td>
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<td>Improvement of evaluation efficiency by 3D report</td>
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<td>Migration of a post-processing process: from Medina to META</td>
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<td>12:30 - 13:00</td>
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<td>How did we realize SPDRM and where will we go? - part I</td>
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<td></td>
<td>How did we realize SPDRM and where will we go? - part II</td>
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<td>13:00 - 13:10</td>
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<td>Group-photo shooting</td>
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<td>13:10 - 14:00</td>
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<td>Lunch</td>
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### 8 BEFORE REALITY CONFERENCE - Agenda

#### TUESDAY MAY 21, 2019 - Afternoon Sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Location</th>
<th>Speakers</th>
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<tbody>
<tr>
<td>14:00 - 14:30</td>
<td>Discovery of a shock absorber with the aid of Computed Tomography and beyond</td>
<td>Ballroom B</td>
<td>Dr. E. Karatzi, P. Michailidis, I. Mavilia, BETA CAE Systems</td>
</tr>
<tr>
<td>14:30 - 15:00</td>
<td>Composite life prediction model for leaf springs using Finite Element model and testing</td>
<td>Ballroom C</td>
<td>Kishore Myresw Naragaria, Uchula Dhanasabapati, Suresh Nagano, PES University</td>
</tr>
<tr>
<td>15:00 - 15:30</td>
<td>Beam modeling: new developments</td>
<td>Ballroom D</td>
<td>Kostas Skolarikis, Vasileos Evangelou, BETA CAE Systems International, BETA CAE Systems</td>
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<tr>
<td>15:30 - 16:00</td>
<td>Coffee Break &amp; Technical discussions</td>
<td>Foyer &amp; Foyer Mezzanine</td>
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<tr>
<td>16:00 - 16:30</td>
<td>The ANSA / LS-DYNA approach for isogeometric Analysis Simulations</td>
<td>Ballroom E</td>
<td>Lukas Leidinger, Stefan Hartmann, Ivanis Chakidou, Anastassia Valletis, BETA CAE Systems International, BETA CAE Systems</td>
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<tr>
<td>16:30 - 17:00</td>
<td>Connecting Design and Analysis: Explicit bigdatometric Analysis using ANSA and LS-DYNA</td>
<td>Ballroom F</td>
<td>Lukas Leidinger, Stefan Hartmann, Lambros Rorris, Roland Wachtveitl, Fabian Dubbeke, Laking Song, BMW Group, DYNAmore GmbH, BETA CAE Systems</td>
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<tr>
<td>17:00 - 17:30</td>
<td>Scripting and the World Beyond</td>
<td>Ballroom G</td>
<td>Constam Drez, LASGO GmbH</td>
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<tr>
<td>17:30 - 18:00</td>
<td>METAdis as a high-performance results container</td>
<td>Ballroom H</td>
<td>Antonis Panidis, BETA CAE Systems</td>
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<tr>
<td>19:00 - 23:00</td>
<td>Reception - Dinner &amp; Entertainment</td>
<td>Salon Marco Polo</td>
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WEDNESDAY MAY 22, 2019 - Morning Sessions

08:30 - 09:00
Welcome Coffee - Registration | Foyer Foyer & Foyer Mezzanine

09:00 - 10:00
BMW - Next Level Engineering: digitalization of know-how in vehicle development
Gagan Saket1, Hans-Peter Daunert1, Michael Tryfonidis2
BMW Group, BETA CAE Systems

10:00 - 10:30
FE-Base Model, The birth of a digital assembly line
Pasi-Edward Munch
Dr.ing.h.c.F. Porsche AG

10:30 - 11:00
Coffee Break & Technical discussions | Foyer Foyer & Foyer Mezzanine

11:00 - 11:30
Multidisciplinary topology and parametric optimization of a BMW, following a unique holistic Process within ACP OpDesign
Afasias Kaloudis
BETA CAE Systems International

11:30 - 12:00
BMW - Next Level Engineering: utilizing digitalized know-how through Machine Learning
Gagan Saket1, Michael Tryfonidis2, Dimitrios Siklos2
BMW Group, BETA CAE Systems, 'BETA CAE Systems International'

12:00 - 13:00
Featured demonstration | VR Station - Foyer
RENAULT Collaborative VR: application in CFD simulation post-processing activities
Renate Gosselin, RENAULT

12:00 - 12:30
Comprehensive Simulation Run Management: solutions for analysts and model building teams
Irene Makropoulou
BETA CAE Systems

12:30 - 13:00
Quality management of CAE data within a SPDM environment
Spyridon Tsivolas, Irene Makropoulou, Menelaos Pappas
BETA CAE Systems

13:00 - 14:00
Lunch | Foyer Foyer & Foyer Mezzanine

10:00 - 10:30
Session 8B | Ballroom B
Multidisciplinary topology and parametric optimization of a BMW, following a unique holistic Process within ACP OpDesign
Afasias Kaloudis
BETA CAE Systems International

11:00 - 11:30
Modelling of casting structures - A comprehensive investigation
Dr. Ozcan Kaplan1, Michael Tryfonidis2
BMW Group, BETA CAE Systems

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10:00 - 10:30
Session 8A | Ballroom A
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Dr. Ozcan Kaplan1, Michael Tryfonidis2
BMW Group, BETA CAE Systems

11:00 - 11:30
Facilitating the industrial implementation of an adaptive Isogeometric Continuum shell element for laminate analysis
Camil Adams1, Martin Fagerstrom1, Joris J.C. Rammers2, A. Valkitis1
1Chalmers University of Technology, 2University of Technology Eindhoven, BETA CAE Systems

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13:00 - 14:00
Lunch | Foyer Foyer & Foyer Mezzanine
**WEDNESDAY MAY 22, 2019 - Afternoon Sessions**

### Session 9B | Ballroom B
**Moderator:** S. Kleidarias

**14:00 - 14:30**
**Are we ready for huge CAE models?**
Stavros Kleidarias  
BETA CAE Systems

**Impact of transcatheter valve size on the estimation of paravalvular leakage: an FSI study**
Laura Iannetti, Giulia Libraghi, Claudio Chiadra, José Félix Rodríguez Mata, Francesco Migliavacca  
BETA CAE Italy, LaBS, Dep. of Chemistry, Materials and Chemical Engineering, Politecnico di Milano

**Applying the VMAP interface standard in ANSA for multi-solver simulation processes**
Andreas Fassas, Dr. Georgios Mokios  
BETA CAE Systems

### Session 9A | Ballroom A
**Moderator:** V. Karatsis

### Session 9C | Ballroom C
**Moderator:** K. Kiouptsidis

### Session 9D | Salon Rumford
**Moderator:** S. Karapantazis

### Demo Session 9E | Salon Cézanne
### Demo Session 9F | Salon Van Gogh
### Demo Session 9G | Salon Picasso / Dali

### 14:30 - 15:00
**VR-Supported Engineering Processes at Daimler**
Andreas Pau  
Daimler AG

**Gait specific optimization of athletic footwear**
Dimitrios Drougas, Maria Papagiannaki, Fotini Arabatzi  
University of Western Macedonia, BETA CAE Systems, Aristotle University of Thessaloniki

**How Compare-function can become the secret ingredient for reducing model build-up effort**
Michael Tryfonidis  
BETA CAE Systems

### 15:00 - 15:30
**Subjective assessment of customer-oriented functions by enriching finite element simulation technology with virtual reality features**
Matthias Steinecker, Daniel Hauser, Rainer Ablitzerhauser  
BMW Group

**Fatigue failure analysis of a humeral implant: a Finite Element approach**
Shivkumar Umadi, Vijayanrthy Murthy, Suresh Nagash, Venkateswaran Perumal  
COR, PES University, Stayer

### 15:30 - 16:00
**Closing Remarks - Farewell**

### 16:00 - 16:15
**Coffee Break & Technical discussions | Foyer & Foyer Mezzanine**

### 16:00 - 16:15
**Closing Remarks - Farewell**

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**WEDNESDAY MAY 22, 2019 - Afternoon Sessions**

### Session 10 | Ballroom B

### Demo Session 9E | Salon Cézanne
### Demo Session 9F | Salon Van Gogh
### Demo Session 9G | Salon Picasso / Dali

### 14:00 - 14:30
**Simulating installed antenna performance for automotive radar applications**
Dr. Christos Lontas, Stefan Frank  
Fraunhofer FHR

**Skinning tools and full vehicle crash optimization with ACP OpgDesign**
T. Sarigiannis  
BETA CAE Systems

**Topological repair of optimized model**
A. Papadopoulos  
BETA CAE Nordic

**Data quality management with SPDRM**
S. Tsamtsis  
BETA CAE Nordic

**Using ANSA / META for electromagnetic simulation applications with Cadence’s Clarify 3D EM solver**
Wei Wang, Jian Liu  
Presented by: Yongjun Liu  
Cadence Design Systems

**Working with Kinetics on full vehicle assemblies**
A. Paraschoudis  
BETA CAE Nordic

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**Closing Remarks - Farewell**

### 16:00 - 16:15