



Join us to the 2019 BETA CAE Systems North America Open Meeting

October 10, 2019
The Inn at St. John's
Plymouth, USA

BETA CAE Systems International AG, the leading contemporary industry supplier of CAE software, and its subsidiary in the United States, BETA CAE Systems USA, have the pleasure to invite you to the 2019 Open Meeting in Plymouth, Michigan, USA. The event will take place on October 10, 2019 at The Inn at St. John's, Plymouth, MI, USA.

This year BETA CAE Systems is excited to announce **Mr. Eric DeHoff, Chief Engineer – Technical Leader CAE, Honda R&D Americas, Inc.**, as our keynote speaker, who will be presenting "Bringing Reality into a Virtual World".

Eric DeHoff graduated with a BS in Aeronautical Engineering from Purdue University. He started his engineering career as a rocket scientist for NASA in 1988, working on analyses of the Space Shuttle and International Space Station. He then joined Honda R&D Americas in Ohio in 1996 in the first CAE group responsible for developing CAE activity for the company. He is now Chief Engineer and Technical Leader for CAE responsible for assessing and increasing the CAE capability in the company.

During this event you will have the opportunity to be updated on the latest developments and new software products, along with real case applications of our software, on various CAE disciplines and industries.

Technical discussions & demonstrations will offer you the opportunity to discuss with our engineers the software features, their application, and the future developments. A team of CAE experts from BETA CAE Systems will be pleased to meet you in person and exchange knowledge, experience and visions.

We extend our appreciation to our guest speakers who compile this year a unique constellation of application cases and success stories.

Don't miss the opportunity and register today. Registration will be open until October 7th.

There is no participation fee for the event.

The attire will be business casual.

The event is organized and hosted by BETA CAE Systems USA Inc.

[REGISTER NOW](#)

Preliminary Agenda Wednesday October 10, 2019 - Open Meeting

07:30 - 08:00 *Registration & Breakfast (Nazareth)*

Plenary Session (Galilee)

8:00 - 08:05 **Introduction**
John Skarakis
President and Technical Director, BETA CAE Systems USA, Inc.

08:05 - 08:10 **Welcome**
Dimitris Angelis,
Chairman, BETA CAE Systems SA

08:10 - 08:25 **BETA CAE Systems Company Presentation**
Sam Saltiel
CCO, BETA CAE Systems International AG

08:25 - 8:55 **Keynote Speech: Bringing Reality into a Virtual World**
Eric DeHoff
Chief Engineer - Technical Leader CAE, Vehicle Development Foundation, Honda R&D Americas, Inc.

8:55 - 9:40 **Latest Developments & New Products in BETA's Product Line**
Santosh Patil, Onkar Mande
BETA CAE Systems USA, Inc.

09:40 - 10:10 **Implementation of SPDRM for Automated Creation and Assembly of Digital Models in a German OEM**
Alexandros Kaloudis
BETA CAE Systems International AG

10:10 - 10:40 *Break, Technical Discussion and Demonstrations (Nazareth)*

| | Track 1 (Galilee) | Track 2 (Judea) | Demo Sessions (Judith) |
|---------------|--|--|--|
| 10:40 - 11:10 | Con-Du-It! Automation of Electrical Harness Modeling Christopher Raprager <i>General Motors</i> | Latest Developments in Volume Meshing for CFD Konstantinos Haliskos <i>BETA CAE Systems SA</i> | DEMO: Pre- & Post-Processing for Occupant Safety Thanassis Fokylidis, Nikolaos Tzolas <i>BETA CAE Systems SA</i> |
| 11:10 - 11:40 | Comprehensive Simulation Run Management: Solutions for Analysts and Model Building Teams Irene Makropoulou <i>BETA CAE Systems SA</i> | Gradient Enhanced Kriging, OpenFOAM Adjoint and ANSA DOE-Morphing for Shape Optimization in CFD Dimitrios Papadimitriou, Inseok Park <i>BETA CAE Systems USA, Inc.</i> Zissimos P. Mourelatos <i>Oakland University</i> | |
| 11:40 - 12:10 | Connections Automation Daniel Lang <i>General Motors</i> | Efficient Watertight Preparation Tools and Methods for CFD Meshing at Groupe PSA Konstantinos Haliskos <i>BETA CAE Systems SA</i> | DEMO: Topology Optimization Using EPILYSIS and ANSA & META workflow / Beam-Section Optimization Dimitrios Drougkas <i>BETA CAE Systems SA</i> |

12:10 - 13:10 *Lunch (Atrium)*

| | Track 1 (Galilee) | Track 2 (Judea) | Demo Sessions (Judith) |
|---------------|--|--|--|
| 13:10 - 13:40 | Efficient Processing of Large Data Sets in Simulations Kishore K Pydimarry <i>Honda R&D Americas, Inc.</i> Ajit V. Gaikwad <i>SOLIZE USA Corporation</i> Dinesh Pandeti <i>BETA CAE Systems USA, Inc.</i> | Jiva - A Fatigue Suite in META. Case Study on a Gen4 Power Inverter Rick Bletsis <i>Delphi Technologies</i> Vasiliki Tsianika <i>BETA CAE Systems USA, Inc.</i> | DEMO: Latest Developments in Meshing of Structural Parts Nikolaos Drivakos <i>BETA CAE Systems SA</i> |
| 13:40 - 14:10 | Evaluation of Vehicle Interior Noise Based on Loads from a Multi Body Analysis - An Integrated BETA Suite Solution for Addressing Non-Linear Mounts | Feature-Based Morphing: A Radical Change in Concept and Detailed Modeling Dimitrios Drougkas <i>BETA CAE Systems SA</i> | DEMO: Mid-Surfacing of Casted Parts - Challenges and Solutions Nikolaos Drivakos <i>BETA CAE Systems SA</i> |

Vassilis Pavlidis
BETA CAE Systems International AG

14:10 - 14:40

Post-Processing and Correlation Analysis of PedPro Results in META
Vishal Gupta
General Motors

Two Methods for Effectively Solving High-Dimensional Surrogate-Based Optimization Problems

Inseok Park, Dimitrios Papadimitriou
BETA CAE Systems USA, Inc.

DEMO: Modular Run Management for Crash in A Collaborative Environment,

Irene Makropoulou
BETA CAE Systems SA

14:40 - 15:10

Break, Technical Discussion and Demonstrations (Nazareth)

Track 1 (Galilee)

Track 2 (Judea)

Demo Sessions (Judith)

15:10 - 15:40

Multi Material Modeling with ANSA: An Application in the Automated Assembly Process at Ford
Thanassis Foklydis
BETA CAE Systems SA
Tunc Uzun, Heiko Wuestner
Ford Werke GmbH
Niels Pasligh
RIC Aachen
Chien Ping Mark Ng
Ford Motor Company of Australia, Ltd.

Aerodynamic Shape Optimization Using Morphing, ActiveDOE© and AI-Powered Surrogate Modeling

Onkar Mande, Joshua Sims
BETA CAE Systems USA, Inc.

DEMO: ACP OpDesign®: Recent Developments With the Aid of Example

Theocharis Sarigiannis
BETA CAE Systems SA

15:40 - 16:10

The ANSA / LS-DYNA Approach for Isogeometric Analysis Simulations
Lambros Rorris
BETA CAE Systems International AG

Compact Lightweight Steel Hood Design & Development Using ACP OpDesign®

John Stanik
Hyundai America Technical Center, Inc.
Abhishek Shrawan, Divesh Mittal
Akbar Farahani Ph.D.
ETA, Inc.

DEMO: CFD Model Features Management and OCTREE Advancements

Dimitrios Papadimitriou
BETA CAE Systems USA, Inc.

16:10 - 16:15

Closing Remarks

16:15 - 17:30

Reception & Raffle (Nazareth) Technical Discussion and Demonstrations

REGISTER NOW

Venue

The Inn at St. John's
44045 Five Mile Road
Plymouth, MI 48170, USA

Location [Map](#)

Web: www.stjohnsgolfconference.com

A block of rooms has been reserved at the venue for this event. Rooms are limited, please book before September 30th for best availability. Click below to make your reservation:
[Direct Booking Link](#) | Group code: BC100919A

Important dates

Registration until: **October 7**
Event: **October 10**

Information

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