



*Tentative Agenda **

15th International LS-DYNA[®] Conference & Users Meeting

Edward Hotel & Convention Center, Dearborn, Michigan, USA

June 10-14, 2018

Sunday, June 10, 2018

8:00 a.m. to 5:00p.m. ***Pre-Conference Seminars***

For complete list of courses offered, please visit

<http://www.ls-dynaconferences.com/2018/training.htm>

7:45 a.m. to 8:45 a.m. Continental Breakfast on Pool Terrace

8:00 a.m. to 9:00 a.m. Training Registration

*If bringing laptop, please take your seat by 8:45 a.m.
to allow time for any needed adjustments/corrections.*

9:00 a.m. Seminars begin

Lunch and Breaks on Pool Terrace

5:00 p.m. Seminars end

5:00 p.m. to 8:00 p.m. ***Conference Registration***

5:00 p.m. to 8:00 p.m. ***Exhibition Booths Open***

6:00 p.m. to 8:00 p.m. ***Welcome Reception***

Sponsored by FEA Information and Distributors

Monday, June 11, 2018

7:30 a.m. to 4:00 p.m. **Conference Registration**

7:30 a.m. to 8:20 a.m. **Breakfast**

8:00 a.m. to 6:00 p.m. **Exhibition Booths Open**

8:20 a.m. **Welcome and Opening Remarks**
Isheng Yeh *LSTC*

8:35 a.m. **Plenary Presentations**
Session Chair: John Hallquist *LSTC*

8:35 a.m. **"The Isogeometric Approach to Analysis"**
Prof. Thomas J.R. Hughes
Professor of Aerospace Engineering and Engineering Mechanics, University of Texas

9:15 a.m. **"Application of Reduced Model to Simulations of Occupant Protection and Crashworthiness at Toyota"**
Dr. Tsuyoshi Yasuki
Project General Manager, Advanced CAE Division, Toyota Motor Corporation

9:55 a.m. to 10:05 a.m. **Coffee Break**

10:05 a.m. **Sponsor Presentations**
"ACP OpDesign: Optimal Design Gateway "
Akbar Farahani, ETA

10:25 a.m. **Plenary Presentation**
"Advances in Linear Algebra Technology and the Impact on Applications Using LS-DYNA"
Roger Grimes, LSTC

11:05 a.m. **Keynote Presentations:** *concurrent presentations*

11:05 a.m. Session Chair: Uli Franz *DYNAMore*
"Experience with Material and Fracture Modeling at Fiat Chrysler Automobiles (FCA)"
Paul Du Bois, Consultant
Dr. Anantharam Sheshadri, FCA

11:05 a.m. Session Chair: Xinhai Zhu *LSTC*
"Integrated Computational Materials Engineering (ICME) for Fiber Carbon Composites"
Dr. Danielle Zeng, Ford Motor Company

11:05 a.m. Session Chair: David Benson *LSTC*
"Modeling & Simulation Challenges at the Interface Between Man and Machine: Medical Devices"
Dr. Mark Palmer, Medtronic

Monday, June 11, 2018 (continued)

- 11:05 a.m. **Keynote Presentations:** *concurrent presentations (continued)*
- 11:05 a.m. Session Chair: Isheng Yeh *LSTC*
“The New Features in LS-PrePost 4.5 and the Direction of its Future Development”
Philip Ho, *LSTC*
- 11:45 a.m. to 1:00 p.m. **Lunch – Sponsored by Arup**
- 1:00 p.m. to 3:05 p.m. **Breakout Sessions** [1:00, 1:25, 1:50, 2:15, 2:40]
- 3:05 p.m. to 3:25 p.m. **Coffee Break – Sponsored by TOTAL CAE**
- 3:25 p.m. to 5:55 p.m. **Breakout Sessions** [3:25, 3:50, 4:15, 4:40, 5:05, 5:30]

SESSION CATEGORIES:

Aerospace	ICFD
Automotive	Implicit
Biomedical	Isogeometric Analysis (IGA)
Blast	Metal Forming
Composites	Modeling
Computer Technology + Cloud Computing	NVH
Connections	Occupant Safety
Constitutive Modeling	Optimization + Topology & Shape Optimization
Electromagnetics	Simulation
FSI-ALE	SPH + SPG

- 6:30 p.m. to 9:00 p.m. **Conference Banquet and Entertainment**

Tuesday, June 12, 2018

- 7:30 a.m. to 12:00 p.m. **Conference Registration**
- 7:30 a.m. to 8:20 a.m. **Breakfast**
- 8:00 a.m. to 5:00 p.m. **Exhibition Booths Open**
- 8:25 a.m. to 10:05 a.m. **Breakout Sessions** [8:25, 8:50, 9:15, 9:40]
- 10:05 a.m. to 10:25 a.m. **Coffee Break – Sponsored by BETA CAE**
- 10:25 a.m. to 12:30 p.m. **Breakout Sessions** [10:25, 10:50, 11:15, 11:40, 12:05]

SESSION CATEGORIES: *please see above*

- 12:30 p.m. to 1:30 p.m. **Lunch**
- 1:30 p.m. to 3:15 p.m. **Technical Session -- Technology Today**
Presentations by our Sponsors, 10 minutes each
- 3:15 p.m. to 3:30 p.m. **Coffee Break – Sponsored by Shanghai Hengstar**

Tuesday, June 12, 2018 (continued)

3:30 p.m. **Closing Plenary Presentation**

Session Chair: Nathan Hallquist LSTC

“Recent and Ongoing Developments in LS-DYNA®”

LSTC Developers:

John O. Hallquist

Thomas Borrvall

Facundo Del Pin

Jason Wang

Cheng-Tang Wu

Pierre L’Eplattenier

Xinhai Zhu

David Benson

Isheng Yeh

John Zhao

Wednesday-Thursday, June 13-14, 2018

8:00 a.m. to 5:00p.m. ***Post-Conference Seminars***

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7:45 a.m. to 8:45 a.m. Continental Breakfast on Pool Terrace each day

8:00 a.m. to 9:00 a.m. Training Registration

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9:00 a.m. Seminars begin

Lunch and Breaks on Pool Terrace each day

5:00 p.m. Seminars end

***Breakout Session Paper Titles, including presentation times,
will be posted after May 10th***

We look forward to your participation this year!