

# EWI Forming Center Workshop: Advanced Sheet Metal Forming Technology

EWI Headquarters & The Ohio State University Fawcett Center, Columbus, OH | October 19-20, 2022

## Agenda:

### Wednesday, October 19, 2022

EWI Headquarters, 1250 Arthur E. Adams Dr., Columbus, OH 43221

4:00 PM - 5:00 PM **EWI Facility Tour**

5:00 PM **EWI Welcome Reception**

### Thursday, October 20, 2022

The Ohio State University Fawcett Center, 2400 Olentangy River Rd. Columbus, Ohio 43210

8:30 AM - 9:00 AM **Hyunok Kim, EWI** – *Recent Advances in Sheet Metal Forming Technology*

9:00 AM - 9:30 AM **Michael Davenport, AutoSteel Partnership** – *AHSS Usage in Electric Vehicles*

9:30 AM - 10:00 AM **Cliff Butcher, University of Waterloo** – *Characterization and Modelling of a 3rd Gen AHSS B-Pillar Using Autoform*

10:00 AM - 10:30 PM **Break**

10:30 AM - 11:00 AM **Bob Southwell, AIDA America** – *Latest Applications of the Mechanical Servo Press Technology for Stamping*

11:00 AM - 11:30 AM **Vince Millioto, Martinrea** – *Insights from Measuring the Press Tonnage of 3rd Gen AHSS Stampings Phase II*

11:30 AM - 12:00 PM **Kidambi Kannan, AutoForm** – *Eliminating Scrap in Sheet Metal Stamping Production: In-Line Process Control Anchored in Smart Engineering*

12:00 PM - 1:30 PM **Lunch**

1:30 PM - 2:00 PM **Brian Hanz, AMEPA** – *Oil Film and Surface Roughness. Measure it. Control it.*

2:00 PM - 2:30 PM **Laura Zoller, EWI** – *How Surface Roughness and Oil Film Thickness Influence Springback on Aluminum Alloys and 980Gen3 Steel*

2:30 PM - 3:00 PM **Break**

3:00 PM - 3:30 PM **Diogo Gomes Carrara, ESI North America** – *Stamping Simulation Considering the Effects of Tooling and Press Characteristics*

3:30 PM - 4:00 PM **Amir Asgharzadeh, EWI** – *Truth and Misbelief of the Biaxial Bulge Testing*

4:00 PM **Hyunok Kim, EWI** – *Closing Remarks*