

July 19-24, 2020

NUMISHEET 2020

The 12th International Conference and Workshop on
Numerical Simulation of 3D Sheet Metal Forming Processes



**SHERATON
CENTRE
TORONTO HOTEL**

Ontario, Canada

NUMISHEET inspires a global exchange of intellectual ideas and new technology in the field of sheet metal forming simulations. The 2020 conference takes place in Canada for the first time and features technical and keynote programs, mini-symposia, benchmark applications for comparing numerical predictions of the participants with experimental results, and a cultural excursions program.

TECHNICAL AREAS

- Materials Modeling and Experimental Testing Methods
- Friction and Contact
- Formability, Necking, and Fracture
- Instabilities and Surface Defects
- Fracture and Damage
- Numerical Methods
- Springback
- Incremental Sheet Forming
- Roll Forming
- Innovative Forming Methods
- Product & Process Design and Optimization

BENCHMARK/SIMULATION STUDIES

Two benchmark problems are currently planned: [BM-1] Prediction of necking and fracture for a selected set of complex deformation histories, and [BM-2] Springback prediction of a deep drawn product for a selected set of processing conditions. A third benchmark [BM-3] is anticipated. Details will be announced on the website on September 1st, 2019.

ORGANIZING COMMITTEE/CONTACTS

- **Kaan Inal** (Chair),
University of Waterloo
kinal@uwaterloo.ca
- **Julie Lévesque** (Co-Chair),
Québec Metallurgy Center
Julie.Levesque@cegeptr.qc.ca
- **Michael Worswick** (Co-Chair),
University of Waterloo
worswick@lagavulin.uwaterloo.ca
- **Cliff Butcher** (Secretary),
University of Waterloo
cbutcher@uwaterloo.ca

STEERING COMMITTEE

- **Rui Cardoso**, Brunel University
London
- **Jean-Claude Gelin**, University of
Franche-Comté
- **Pavel Hora**, ETH Zürich
- **Toshihiko Kuwabara**, Tokyo
University of Agriculture and
Technology
- **D.Y. Yang**, Korea Advanced Institute
of Science and Technology
- **Farhang Pournoghbat**, The Ohio
State University
- **Thomas Stoughton**, General Motors
- **Robert Wagoner**, The Ohio State
University
- **Jeong Whan Yoon**, Deakin University

SHARE YOUR WORK IMPORTANT DATES

Sep. 1, 2019
Benchmark Data
Available on Website

Nov. 11, 2019
Deadline for Abstracts

Dec. 13, 2019
Author Notification of
Acceptance of Abstracts

Jan. 6, 2020
"Benchmark Report
Submission" page will
open

Mar. 2, 2020
Deadline for Full-Length
Papers for Review

Mar. 2, 2020
Deadline for Benchmark
Results

The benchmark results must be received by this date since they will be analyzed by the benchmark committee and, accordingly, will be forwarded to appear in the Conference Proceedings.

SUBMIT YOUR ABSTRACT BY NOVEMBER 11, 2019

www.tms.org/Numisheet2020