

NUMISHEET 2018

(30 Jul – 3 Aug, 2018)

The 11th International Conference and Workshop on
Numerical Simulation of 3D Sheet Metal Forming Processes

<http://numisheet2018.org/>

Hotel East 21 Tokyo Tokyo, Japan

<https://www.hotel-east21.co.jp/en/>

(Ver. 7: revised on Dec 21, 2017)

The NUMISHEET conferences have been established as a world-class forum through which new intellectual ideas and technology in the area of sheet metal forming simulation are exchanged. This is the third conference in Asia in the NUMISHEET history. The 2018 conference features Technical and Keynote Programs, mini-symposia, three benchmark applications to compare participant's predictions with experimental results, and cultural excursion programs.

Technical Areas

Materials Modelling 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, and Product & Process Design and Optimization, etc.

Benchmark/Simulation Studies

Three benchmark problems are planned: **[BM-1]** Prediction of thickness strain and fracture in the hole expansion of a 980 MPa steel sheet, **[BM-2]** Fracture and springback prediction in the deep-drawing of a thick-wall cup of 440 MPa hot rolled steel sheet, and **[BM-3]** Polycrystal plasticity analysis for predicting the yield surface and the work hardening characteristics of a 5000-series aluminum alloy sheet. Details will be announced on the website on **October 2nd, 2017**.

Organizing Committee/Contacts

Toshihiko Kuwabara (Chair)	Tokyo Univ. Agriculture & Technology kuwabara@cc.tuat.ac.jp
Mitsutoshi Kuroda (Co-Chair)	Yamagata University kuroda@yz.yamagata-u.ac.jp
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Akinori Yamanaka (Secretary)	Tokyo Univ. Agriculture & Technology a-yamana@cc.tuat.ac.jp

Steering Committee

Stoughton, T. B. / USA	Gelin, J. C. / France
Wagoner, R. H. / USA	Hora, P. / Switzerland
Yang, D. Y. / Korea	Pourboghrat, F. / USA
Yoon, Jeong Whan / Australia	Cardoso, R. / UK

Important Dates

Oct 2, 2017: Benchmark Data Available on Website

Nov 27, 2017: Deadline for Abstract (extended on Nov 14)

Dec 15, 2017: Author Notification of Acceptance of Abstract

Jan 4, 2018: "Benchmark Report Submission" page will open

Mar 1, 2018: Deadline for Full-Length Paper for Review

Mar 1, 2018: Deadline for Benchmark Results

The benchmark results must be received by this date in order to be analyzed by the benchmark committee and to appear in the Conference Proceedings.

Apr 16, 2018: Author Notification of Acceptance / Revision Requirements

May 4, 2018: Deadline for Revised Paper for Review (if required)

Final manuscript must be received by this date in order to appear in the Conference Proceedings.

May 18, 2018: Author Notification of Acceptance of Revised Paper

May 25, 2018: Author Registration (Early Registration)

Authors of Full-Length Paper and Benchmark Results must register by this deadline to be included in the Conference Proceedings.

Registration Fee and Deadlines

Registration for NUMISHEET 2018 will be handled electronically through the conference website after **February 1, 2018**. Conference registration includes admittance to all technical sessions, conference bag containing final program, a booklet of abstracts, printed (benchmark results only) and USB proceedings, conference gift, coffee break, lunch and two banquets (July 30 and Aug. 2), social events, and industrial tours.

Author	¥80,000	(Before May 25, 2018)
	¥90,000	(After May 25, 2018)
Non-Author	¥85,000	(Before May 25, 2018)
	¥95,000	(After May 25, 2018)
Student	¥60,000	(Before May 25, 2018)
	¥65,000	(After May 25, 2018)
Accompanying	¥25,000	(Before May 25, 2018)
Spouse*	¥30,000	(After May 25, 2018)

(Unit: JPY)

*Accompanying spouse registration fee includes lunch, two banquets, and social events.