

Session Program

19-22 Jun 2023



42nd International Deep Drawing Research Group Conference - IDDRG 2023

FORMABILITY

House of Culture, Luleå, Sweden
Skeppsbrogatan 17, 972 31 Luleå, Sweden

Monday 19 June

15:50

FORMABILITY

Session | **Location:** Kulturens hus Luleå, 2. Världsarvet/ Hägnan | **Convener:** Jörgen Kajberg

15:50–16:10

Local and global forming potential of present dual-phase steel developments

Speaker

Thorsten Beier

16:10–16:30

Hot-forming of a 980 MPa third generation advanced high strength steel

Speaker

ABDELBASET MIDAWI

16:30–16:50

The Investigations on Formability of Tantalum RO5200 Thin Foils: Bio-Material

Speakers

Mr Omkar Kulkarni, Prof. Ganesh kakandikar

16:50–17:10

Yield Locus Development and Microstructure Characterization of AA2219 under Planar Biaxial Loading

Speaker

Ms Priya Tiwari

17:10

Tuesday 20 June

09:30

FORMABILITY

Session | **Location:** Kulturens hus Luleå, 3. VIP Room | **Convener:** Jari Larkiola

09:30–09:50

Numerical and experimental investigation of hole flangeability of AA6061 alloy

Speaker

Vinay Kumar

09:50–10:10

Influence of elevated surface temperature on the formability in cold forming of aluminum alloy sheets

Speaker

Dr Josef Domitner

10:10

10:40

FORMABILITY

Session | **Location:** Kulturens hus Luleå, 3. VIP Room | **Convener:** Erik Olsson

10:40–11:00

An evaluation method for experimental necking detection of automotive sheet metals

Speaker

Quoc Tuan Pham

11:00–11:20

Edge fracture of the first and third-generation high-strength steels: DP1000 and QP1000

Speaker

Zinan Li

11:20–11:40

Strain evolution during hole expansion testing of 800 MPa tensile strength hot-rolled steels

Speaker

Mr Pekka Plosila

11:40–12:00

Accuracy of stretch flange formability prediction by considering strain gradient for actual car body parts

Speaker

Dr EIJI IIZUKA

12:00–12:20

Effect of blank size on impact hydroforming of 2195 Al-Li alloy half-tube part with curvature

Speaker

Mr Hong-Liang Zhu

12:20

14:10

FORMABILITY**Session** | **Location:** Kulturens hus Luleå, 3. VIP Room | **Convener:** Bernard Rolfe

14:10–14:30

Effect of pre-strain on the edge formability of high strength steels for chassis applications**Speaker**

Mrs Anna Payà

14:30–14:50

Forming of a cylindrical cup in 7075-T6 under warm temperature conditions**Speaker**

Sylvain royne

14:50–15:10

Determination of edge fracture limit strain for AHSS in the ISO-16630 hole expansion test**Speaker**

Alexander Barlo

15:10–15:30

Effect of the intercritical annealing in the formability and microstructure of a medium Mn steel sheet**Speaker**

Dr JOSE LUIS HERNANDEZ RIVERA

15:30–15:50

Experiments and simulations of the drawing envelope of pure aluminum**Speaker**

Yannis Korkolis

15:50

16:20

FORMABILITY**Session** | **Location:** Kulturens hus Luleå, 3. VIP Room | **Convener:** Gašpar Gantar

16:20–16:40

Experimental Characterization and Prediction of Forming Limit Diagrams of PHS1800 During Hot Stamping**Speaker**

Dr Pedram Samadian

16:40–17:00

CRASHWORTHINESS EVALUATION OF PRESS HARDENED STEELS WITH DIFFERENT LATH-LIKE MICROSTRUCTURES**Speaker**

Vicente P. Aroca

17:00