

Session Program

19-22 Jun 2023



42nd International Deep Drawing Research Group Conference - IDDRG 2023

TOOLS AND DIES

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

Tuesday 20 June

09:30

TOOLS AND DIES

Session | **Location:** Kulturens hus Luleå, 2. Världsarvet/ Hägnan | **Convener:** Celalettin Karadogan

09:30–09:50

Dimensional precision and wear of a new approach for prototype tooling in deep drawing

Speaker

Ms Katja HOLZER

09:50–10:10

Proposal of a new tool for pre-straining operations of sheet metals

Speaker

Alexander Barlo

10:10

10:40

TOOLS AND DIES

Session | **Location:** Kulturens hus Luleå, 2. Världsarvet/ Hägnan | **Convener:** Abel D. Santos

10:40–11:00

Investigation of tool damage in shear cutting of ultra high strength sheet steels

Speaker

Thorsten Beier

11:00–11:20

Optimization of wear-, fracture- and corrosion performance of Vanadis 6 steel through cryogenic treatment and tempering

Speaker

Peter Jurči

11:20–11:40

Pressure distributions in deep drawing with a passive cardanic blank holder

Speaker

Mr Alexander Breunig

11:40–12:00

Novel tool steels for application in hot stamping

Speaker

Jonas Knippenberg

12:00

14:10

TOOLS AND DIES

Session | **Location:** Kulturens hus Luleå, 2. Världsarvet/ Hägnan | **Convener:** Mathias Liewald

14:10–14:30

Prediction strategy for forming and joining process of oval tubes

Speaker

Markus Stennei

14:30–14:50

Optimization of the physical scaling approach through adaption of the inverted membrane stresses

Speaker

Philipp Zimmermann

14:50–15:10

Wear characteristics of the tool in the cold stamping process of ultra high strength steel sheet by establishing a novel wear test method based on the progressive die

Speaker

Junho Bang

15:10