

Session Program

19-22 Jun 2023



42nd International Deep Drawing Research Group Conference - IDDRG 2023

LIGHTWEIGHT STRUCTURES

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

Tuesday 20 June

09:30

LIGHTWEIGHT STRUCTURES

Session | **Location:** Kulturens hus Luleå, 1. Lilla Salen | **Convener:** Mats Sigvant

09:30–09:50

Development of a novel in-situ measurement method for thermo-mechanically coupled material characterization of high-strength aluminum alloys

Speaker

Nikolaos Rigas

09:50–10:10

Performance of stringer sheet parts under static and dynamic load

Speaker

Simon Biffar

10:10

10:40

LIGHTWEIGHT STRUCTURES

Session | **Location:** Kulturens hus Luleå, 1. Lilla Salen | **Convener:** Johan Pilthammar

10:40–11:00

Characterization of the mechanical properties of selectively embossed sheet metal materials under multi-axial loads

Speaker

Pascal Heinzelmann

11:00–11:20

Micro incremental forming of thin SS304 foils and its microstructural study

Speaker

Mr Peeyush Mahajan

11:20–11:40

Multi-functional SMC-aluminum battery tray to drive lightweight design

Speaker

Dr Michael Machhammer

11:40