

Session Program

19-22 Jun 2023



42nd International Deep Drawing Research Group Conference - IDDRG 2023

FOSSIL-FREE STEEL, SUSTAINABLE MATERIALS, AND MATERIAL FORMING

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

Monday 19 June

10:40

FOSSIL-FREE STEEL, SUSTAINABLE MATERIALS, AND MATERIAL FORMING

Session | **Location:** Kulturens hus Luleå, 2. Världsarvet/ Hägnan, Skeppsbrogatan 17, 972 31 Luleå, Schweden | **Convener:** Leopold Wagner

10:40–11:00

Strength enhancement and uniform grain refinement through cross route-constrained groove pressing

Speaker

Dr Sunil Kumar

11:00–11:20

Evaluation of hole expansion ratio of ultra-high strength martensitic steels produced with various processing routes

Speaker

Dr Jaakko Hannula

11:20–11:40

Material variability effects on automotive part production process

Speaker

Toni Chezan

11:40–12:00

Partial resistance tempering of hot-stamped components for subsequent bending

Speaker

Mr Ehsan Farahmand

12:00

14:00

FOSSIL-FREE STEEL, SUSTAINABLE MATERIALS, AND MATERIAL FORMING

Session | **Location:** Kulturens hus Luleå, 2. Världsarvet/ Hägnan, Skeppsbrogatan 17, 972 31 Luleå, Schweden | **Convener:** Paul Akerstrom

14:00–14:20

Evaluation of hardening models coupled with shear modified Lemaitre damage model for fracture prediction in incremental sheet forming

Speaker

Prof. K Narasimhan

14:20–14:40

The effect of scrap originating trace elements on the properties of low-alloyed steels'

Speaker

Mr Shahroz Ahmed

14:40