

Session Program

19-22 Jun 2023



42nd International Deep Drawing Research Group Conference - IDDRG 2023

DIGITAL TRANSFORMATION, DIGITALIZATION, SMART PLANTS, SMART PRESSHOPS

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

Tuesday 20 June

16:20

DIGITAL TRANSFORMATION, DIGITALIZATION, SMART PLANTS, SMART PRESSHOPS

Session | **Location:** Kulturens hus Luleå, 2. Världsarvet/ Hägnan | **Convener:** Harald Leitner

16:20–16:40

Formability evaluation based on a constitutive model with stress rate direction dependency considering bifurcation modes

Speaker

Tetsuo Oya

16:40–17:00

Process Monitoring using Digital Twin-Based Sensors integrated in Tool Clamping Surface

Speaker

Robin Kurth

17:00–17:20

Industrial Internet of Things and Big Data Techniques for the Smart Press Shop 4.0 Development in Automotive Industry

Speaker

Mr Ivan Peinado-Asensi

17:20

Wednesday 21 June

09:30

DIGITAL TRANSFORMATION, DIGITALIZATION, SMART PLANTS, SMART PRESSHOPS

Session | **Location:** Kulturens hus Luleå, 2. Världsarvet/ Hågnan | **Convener:** Eneko Sáenz de Argandoña

09:30–09:50

On-line quality control and tool wear evaluation in trimming process by data analytics technics

Speaker

Dr Eduard Garcia Llamas

09:50–10:10

Application of a neural network for predicting the cutting surface quality of punching processes based on tooling parameters

Speaker

Mr Adrian Schenek

10:10