

TC18, TC15 and annual DIVK conference

In presence and online 9.11.2021
Faculty of Mechanical Engineering, V floor
Kraljice Marije 16, Beograd

- 10.00–10.30 Introduction: Paolo Ferro (TC18), Filippo Berto (TC15), Aleksandar Sedmak (DIVK)
- 10.30–11.00 Øystein Grong: Hybrid Metal Extrusion & Bonding (HYB) – mechanical integrity of some similar and dissimilar butt joints produced by HYB
- 11.00-11.30 Paolo Ferro: *Residual stresses in welded joints and additively manufactured components – an overview*
- 11.30-12.00 Filippo Berto: Structural Integrity of Weldments
- 12.00-12.30 Vencislav Grabulov: 120 years of Charpy testing with focus on welded joints
- 12.30-13.00 Aleksandar Sedmak: Weldment Fracture Mechanics – Homage to Prof. Stojan Sedmak
- 13.00-14.00 Lunch break
- 14.00-14.30 Aleksandar Grbović: Numerical simulation of fatigue crack growth in Al welded constructions
- 14.30-15.00 Mihajlo Arandjelovic: Influence of multiple defects on welded joints integrity
- 15.00-15.30 Aleksa Milovanović: Fracture mechanics testing of PLA polymer and PLA-X composite
- 15.30-16.00 Isaak Trajković: *Fracture behaviour of ring shape specimens made of AMM*
- 16.00-16.30 Marko Rakin, Bojan Međo: Micromechanical modelling of cracked welded joints made of HSLA steel
- 16.30-17.00 Simon Sedmak: xFEM simulation of fatigue crack growth in different regions of a welded joint