ISTRAŽIVAČKA RADIONICA

17. LISTOPADA 2022.
10:30 - 17:00 (VIJEĆNICA)
FAKULTET GRAĐEVINARSTVA, ARHITEKTURE I GEODEZIJE

FracID

Metodologija za procjenu parametara u problemima propagacije pukotina nastalih pod utjecajem ekstremnih mehaničkih opterećenja

Parameter estimation framework for fracture propagation problems under extreme mechanical loads

HRZZ Croatian Science Foundation
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UNIVERSITY OF SPLIT **FACULTY OF CIVIL ENGINEERING, ARCHITECTURE AND GEODESY**

UNIVERSITY OF SPLIT

Organizing committee: Mijo Nikolić, Nikša Jajac

PROGRAM:

10:30 – 10:40 Nikša Jajac – Introduction
10:40 – 10:50 Mijo Nikolić – Introduction FracID
10:50 – 11:00 Mijo Nikolić – Stochastic parameter identification in mechanics of failure
11:00 – 11:40 Prof. Adnan Ibrahimbegovic – Structural Engineering: Natural vs. Artificial Intelligence (*invited lecture*)
12:00 – 14:00 Lunch
14:00 – 14:20 Eduard Marenić – Data-driven, constitutive model-free approach (*invited lecture* - online)
14:20 – 14:40 Zvonimir Tomičević - Digital Volume Correlation with Heterogeneous Mechanical Regularization: Assessment of mesoscale strain localization (*invited lecture*)
14:40 – 15:00 Jadran Čarija - Discrete fracture model with improved elastic response
15:00 – 15:10 Matej Šodan - Enhanced and embedded strong discontinuity model for fracture in solids with quadrilateral elements
15:10 – 15:20 Emina Hadžalić - Modelling of interaction problems
15:20 – 15:40 Coffee break
15:40 – 16:00 Emir Karavelić – Bayesian inference for the stochastic parameter identification of multi-surface plasticity model (online)
16:00 – 16:10 Ismar Imamović - Advanced approach to design of small wind turbine support structures
16:10 – 16:20 Emina Hajdo - Finite element structural analysis of local and global instability
16:20 – 16:30 Rosa Adela Mejia Nava - Instability of flexible structures subjected to non-conservative loads
16:30 – 17:00 Rad na projektnim aktivnostima

Potvrditi dolazak na mijo.nikolic@gradst.hr