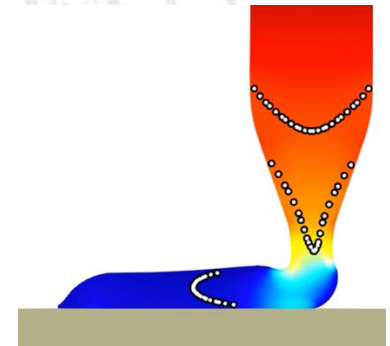
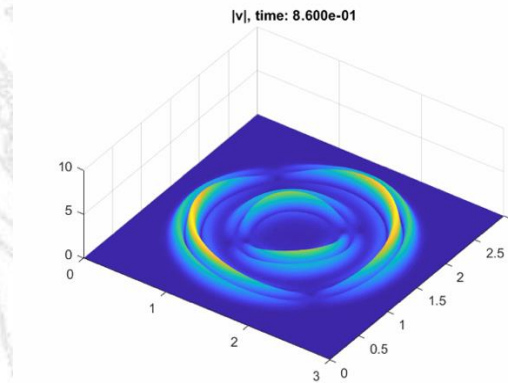
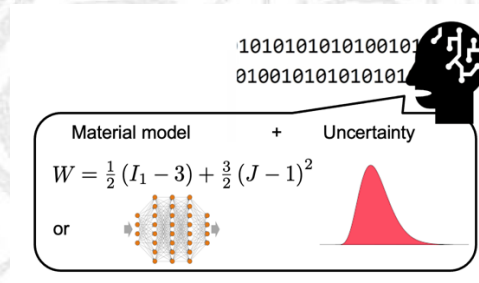
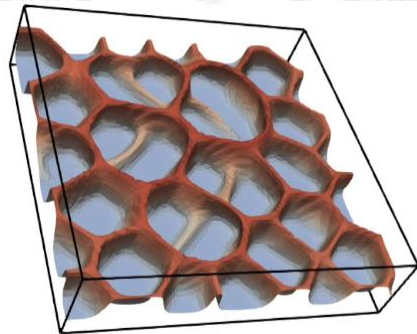




## A jukebox talk on recent research of the Computational Mechanics Lab @ETH Zürich

The lecture provides an overview of recent research conducted by the speaker's group and collaborators. Research topics in the group at the moment include the following: a. Phase-field modeling and simulation of fracture, b. Automated discovery of material models, c. Lattice Boltzmann discretization for solid mechanics problems, d. Floating Isogeometric Analysis. Given the diversity of the topics and the unknown composition of the audience, the speaker will propose a jukebox talk, in which a quick overview will be given for all topics, and further details will be provided „on demand“ on one or more topics at the choice of the audience.

SEMINAR



**Prof. Laura De Lorenzis**  
*ETH Zürich*  
*Computational Mechanics Lab*

**September 16, 2024, 16:00 (sharp)**  
**MS1 Room, DICAR**