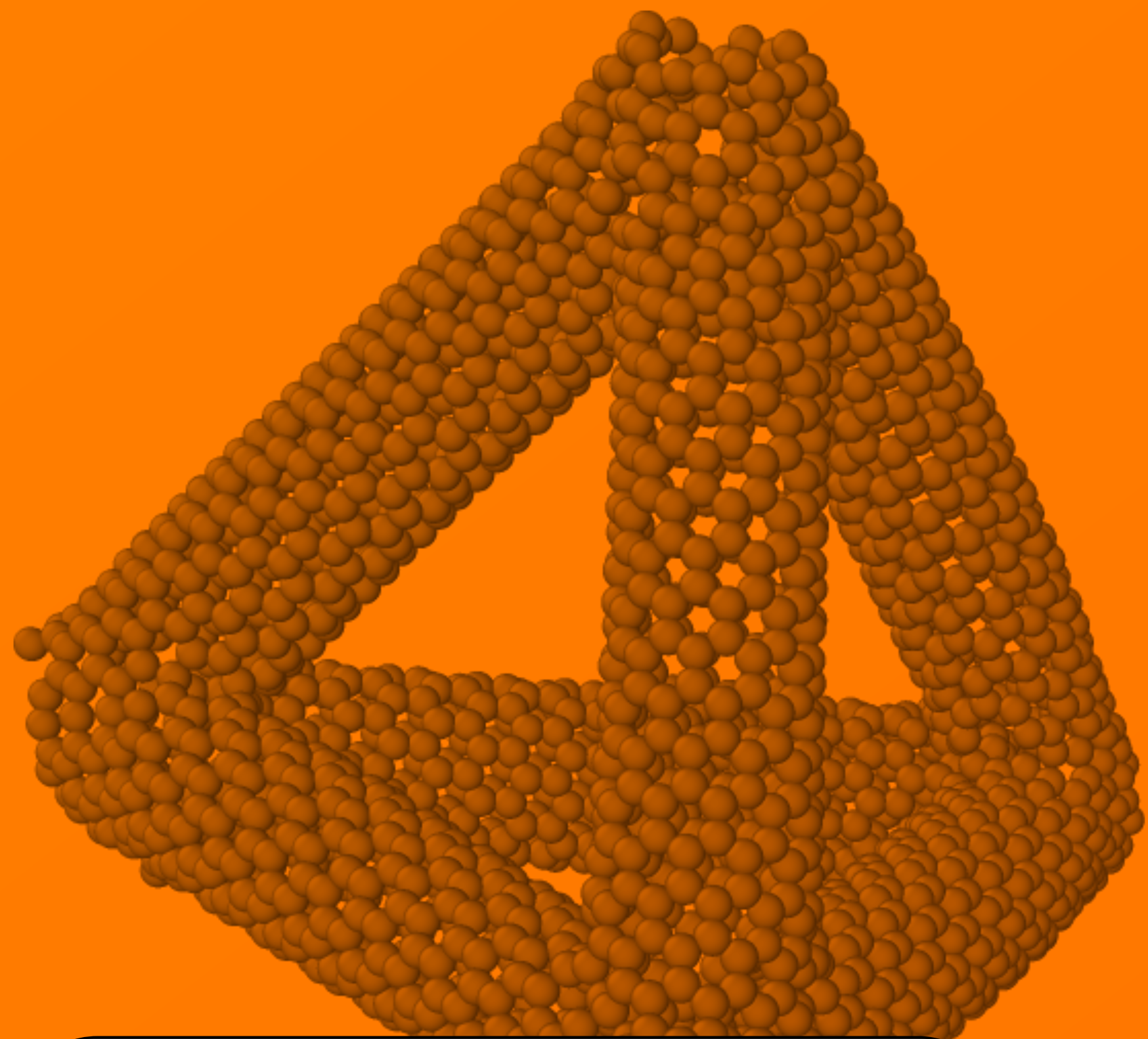


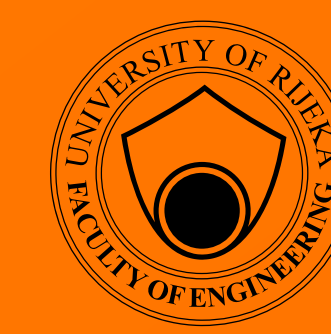
# nonNano

nonlocal mechanical models of nanobeams



- Nonlocality
- Calculation costs
- Lack of data
- Discrete models
- Multiphysics
- Applicability

## Problems



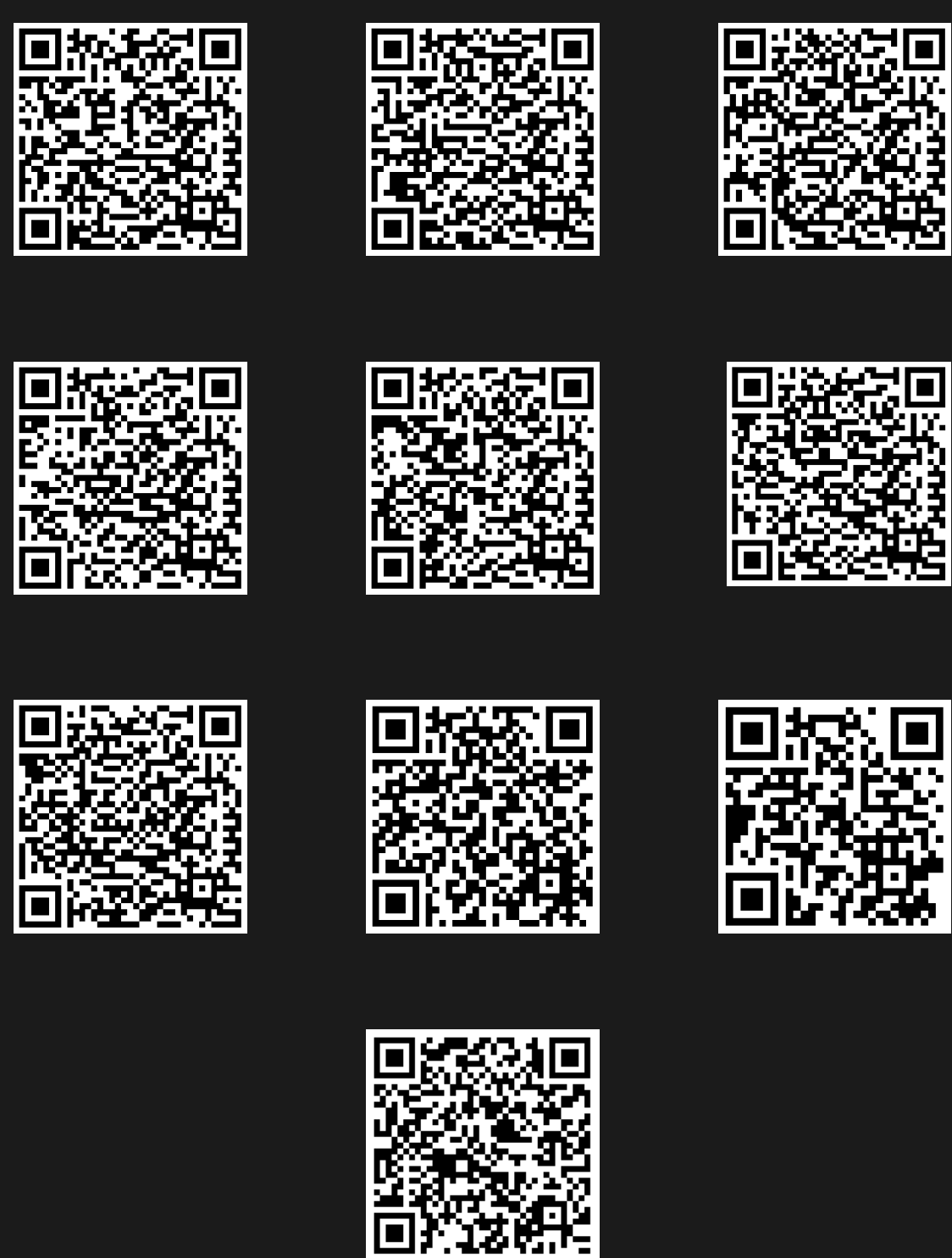
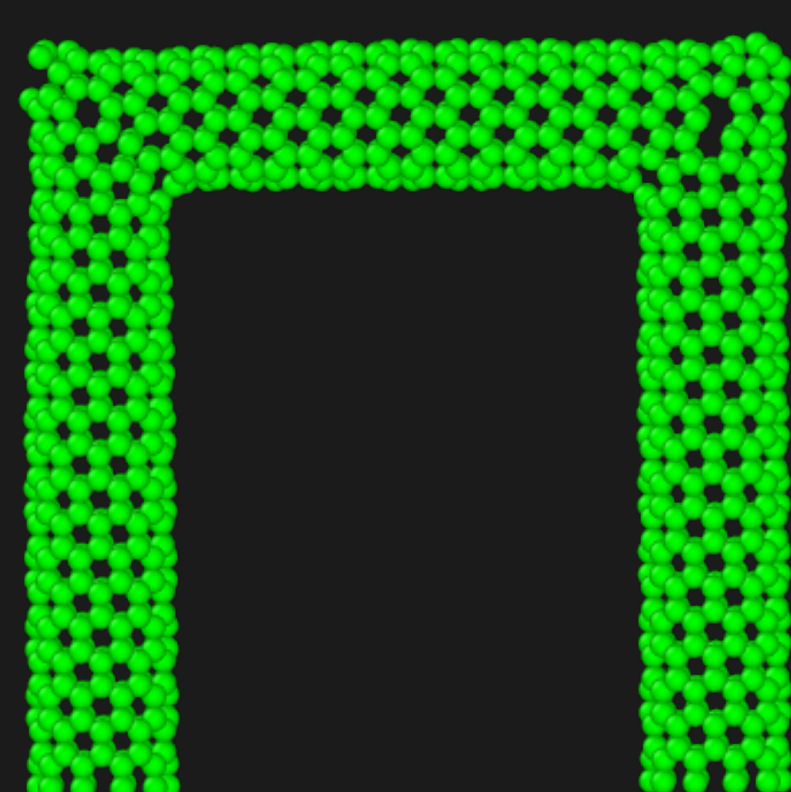
University of Rijeka  
FACULTY OF ENGINEERING

- New analytical mechanical models of nanostructures
- Novel nonlocal beam finite element
- Optimal topology of two-dimensional nanostructures

## Goals

- Stress-driven integral formulation
- Deep learned finite elements
- Derivative-free optimization methods
- Molecular dynamics (MD)

## How?



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## Who?

.think.small/nanostructures.