



## University of Rijeka, Faculty of Maritime studies

**PROJECT ACRONYM AND TITLE:** Numerical modelling of crack occurrence and propagation

**FUNDING PROGRAMME:** University of Rijeka, Croatia

**PERSON RESPONSIBLE:** Goran Vukelić

### FINANCIAL DATA

Project total cost	Overall funding assigned to PFRI
143.669,02 HRK	143.669,02 HRK

### SUMMARY

Project “Numerical modelling of crack occurrence and growth” deals with numerical modelling of structures with flaws, cracks and fractures. It is a combination of experimental procedures (NDT techniques, material testing and characterization, microscopy) and numerical procedures (3D modelling, finite element analysis) to reveal possible causes of failures of engineering structures and to determine fracture behavior of materials.

Full list of published papers is available here: <https://bib.irb.hr/lista-radova?autor=264810>

Start date	End date
2013.	2018.

### PARTNERSHIP

Br.	Partner organization	Country	Role
1.	Faculty of Maritime Studies Rijeka	Croatia	Lead partner
2.	Faculty of Engineering Rijeka	Croatia	Partner

**WEBSITE:** <https://portal.uniri.hr/Projekti/642?pageID=3465>