



PERSONAL INFORMATION

Name and Surname	Goran Vukelic
Address	Studentska 2, 51000 Rijeka
Telephone	++385 51 338 411
E-mail	goran.vukelic@pfri.uniri.hr
Citizenship	Croatian
Date of birth	13.01.1981.

WORK EXPERIENCE

• Dates	04/2013-
Employer	Faculty of Maritime Studies, University of Rijeka, Croatia
Position	Full Professor (10/2022-) Vice Dean for Research and Science (10/2016-09/2022) Associate Professor (10/2017-09/2022) Assistant Professor (04/2013-09/2017)
Activities and Responsibilities	<p>Research, mentoring, teaching</p> <ul style="list-style-type: none"> - Teaching Engineering Mechanics, Fracture Mechanics, Finite Element Method, Non-Destructive Testing of Materials at BSc, MSc and PhD level of Marine Engineering program - Principal investigator on projects: <ul style="list-style-type: none"> - "Virtual Reality in Maritime Education and Training (VR-MET)", University of Rijeka - "Failure analysis of materials in marine environment", University of Rijeka - "Marine structural failure database", International Association of Maritime Universities & The Nippon Foundation - "Numerical modelling of crack occurrence and growth", University of Rijeka - Team/Task leader on projects: <ul style="list-style-type: none"> - "Prevention, mitigation, management of infectious diseases on cruise ships and passenger ferries (HEALTHY SAILING)", Horizon Europe, - "Strengthening the capacity for excellence of Slovenian and Croatian innovation ecosystems to support the digital and green transitions of maritime regions (INNO2MARE)", Horizon Europe, - Team member on projects: <ul style="list-style-type: none"> - "Zero-Emission Adriatic Ship (ZEAS)", Horizon Europe, - "Assessment of structural behaviour in limit state operating conditions", Croatian Science Foundation - "Investigation, analysis and modeling the behavior of structural elements stressed at room and high temperatures", University of Rijeka - "Numerical analysis of structure response and experimental research of material properties", University of Rijeka - "Promoting skills excellence for the labour market through the institutionalization of professional practice in maritime education (PANDORA)", European Social Fund - "Maritime Education Standard for Shipping and Ship Management Ability (MEDUSA)", European Social Fund - "Development of qualifications and innovative methods of competence acquisition in Logistics and Maritime transport (KIKLOP)", European Social Fund
• Dates	03/2016-06/2018
Employer	University of Rijeka, Croatia
Position	Adjunct Professor
Activities and Responsibilities	<p>Teaching</p> <p>Teaching Engineering Mechanics at BSc Polytechnics program</p>

• Dates	10/2014-06/2016
Employer	Faculty of Engineering, University of Rijeka, Croatia
Position	Adjunct Professor
Activities and Responsibilities	Teaching Teaching Engineering Mechanics at BSc Mechanical Engineering program

• Dates	07/2011-03/2013
Employer	Faculty of Engineering, University of Rijeka, Croatia
Position	Senior research and teaching assistant
Activities and Responsibilities	Research, teaching Teaching Engineering Mechanics at BSc and MSc Mechanical Engineering program Research on project: "Numerical analysis of structural response for specific service conditions", Ministry of Science, Education and Sport, Croatia

• Dates	01/2005-06/2011
Employer	Faculty of Engineering, University of Rijeka, Croatia
Position	Research and teaching assistant
Activities and Responsibilities	Research, teaching Teaching Engineering Mechanics at BSc and MSc Mechanical Engineering program Research on projects: "Numerical analysis of nonlinear problems in design and manufacturing", Ministry of Science, Education and Sport, Croatia; "Numerical analysis of structural response for specific service conditions", Ministry of Science, Education and Sport, Croatia

EDUCATION

Dates	2005-2011
Place	Rijeka, Croatia
Organization	Faculty of Engineering, University of Rijeka
Qualification Awarded	PhD in Mechanical Engineering (fracture mechanics)

Dates	1999-2004
Place	Rijeka, Croatia
Organization	Faculty of Engineering, University of Rijeka
Qualification Awarded	MSc in Mechanical Engineering

Dates	1995-1999
Place	Rijeka, Croatia
Organization	Prva susacka hrvatska gimnazija
Qualification Awarded	Graduated in general grammar high school

TRAINING

Dates	06-10.09.2021.
Place	London, UK
Organization	Principles and Practice of Fire Modelling, University of Greenwich, London

Dates	26-30.09.2016.
Place	Udine, Italy
Organization	Mechanics and Physics of Fracture: Multi-scale Modeling of the Failure Behaviour of Solids, International Centre for Mechanical Sciences (CISM)

Dates	30.11.2015.-04.12.2015.
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Place	Vienna, Austria
Organization	Intoduction to Abaqus, Dassault Systemes Austria
Dates	23.-27.11.2015.
Place	Sceaux, France
Organization	Erasmus teaching staff mobility programme, École d'ingénieur-e-s EPF Sceaux
Dates	11.06.2013.-13.06.2013.
Place	Zagreb, Croatia
Organization	Setting-up of inspection bodies according to HRN EN ISO/IEC 17020:2012, Croatian Accreditation Agency & Centre for Tranfer of Technology
Dates	04.09.2009.-04.01.2010.
Place	Brno, Czech Republic
Organization	Research semester at Brno University of Technology, Faculty of Mechanical Engineering
Dates	14.-18.07.2008.
Place	Udine, Italy
Organization	CISM, Nonlinear Fracture Mechanics Models
Dates	10.-14.03.2008.
Place	Zagreb, Croatia
Organization	ASDEPP, Fatigue Reliability and Rational Inspection Planning
Dates	5.10.2004.
Place	Zagreb, Croatia
Organization	Croatian Metrology Society, Supervision of Measuring Devices

PERSONAL SKILLS

Native language	Croatian
Other languages	English, Italian

SOCIAL SKILLS

Frequent work in scientific projects as principal investigator and team member.
Good communication and presentation skills proved at numerous international conferences and lectures held at international universities.
Successful PhD mentorship.

ORGANIZATIONAL/MANAGERIAL SKILLS

Managing scientific research projects.
Managing research and scientific activities of the Faculty of Maritime Studies (2016-2022).
Supervising PhD course "Maritime Affairs" at the Faculty of Maritime Studies (2016-2022).
Chairing Scientific Committee of the Faculty of Maritime Studies (2016-2022).
Introducing and developing new study courses and programs.
Establishing new laboratories.
Organizing field and laboratory inspections of pressure equipment.
Managing quality control process for accredited safety valve inspection body.

TECHNICAL SKILLS

Finite element method analysis regarding fracture mechanis, elasticity and plasticity.
Experimental examination of material mechanical properties.
Use of FEM software: Ansys, Nastran, Femap, Ideas, Fluent.
Other software: Microsoft Office, AutoCAD, WIKA EasyCom.
Pressure vessel, safety valve and pressure gauge inspection and testing.

ADDITIONAL INFO

Rewards:
- Award for scientific excellence in 2021, University of Rijeka Foundation,
- Award for scientific excellence in academic year 2021/2022, Faculty of Maritime Studies Rijeka,
- FESTO Prize for Young Researchers and Scientists, DAAAM 2011, Vienna, Austria.

Published more than 70 scientific papers in international journals.

Reviewer of:

- scientific papers for international journals,
- research projects for international funding organizations,
- university study programmes.

Membership:

- Croatian Society of Mechanics,
- European Structural Integrity Society.

Public profiles:

- Google Scholar: <https://scholar.google.com/citations?user=rGylqcsAAAAJ&hl=en>
- ORCID: <https://orcid.org/0000-0002-9472-9630>
- LinkedIn: <https://www.linkedin.com/in/goran-vukelic-00355549/>