



PERSONAL INFORMATION

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

WORK EXPERIENCE

• Dates	04/2013-
Employer	Faculty of Maritime Studies, University of Rijeka, Croatia
Position	Vice Dean of Research, Assistant Professor
Activities and Responsibilities	Managing scientific&research activities and PhD study course Scientific research in the fields of fracture mechanics, failure analysis and material characterization Teaching on BSc, MSc and PhD level of Marine Engineering: Engineering Mechanics, Mechanisms and Vibrations, Finite Element Analysis, Non-Destructive Testing of Materials, Fracture Mechanics and Fatigue
• Dates	02/2016-
Employer	Department of Polytechnics, University of Rijeka, Croatia
Position	Adjunct Professor
Activities and Responsibilities	Teaching on BSc level of Polytechnics study: Statics, Strength of Materials
• Dates	10/2014-06/2016
Employer	Faculty of Engineering, University of Rijeka, Croatia
Position	Adjunct Professor
Activities and Responsibilities	Teaching on BSc level of Mechanical Engineering study: Statics, Strength of Materials
• Dates	07/2011-03/2013
Employer	Faculty of Engineering, University of Rijeka, Croatia
Position	Senior research and teaching assistant
Activities and Responsibilities	Scientific research in the fields of fracture mechanics and material characterization Teaching at BSc and MSc level of Mechanical Engineering: Statics, Strength of Materials, Optimal design of Construction
• Dates	01/2005-06/2011
Employer	Faculty of Engineering, University of Rijeka, Croatia
Position	Research and teaching assistant
Activities and Responsibilities	Scientific research in the fields of fracture mechanics and material characterization Teaching at BSc and MSc level of Mechanical Engineering: Statics, Strength of Materials, Optimal design of Construction

EDUCATION

Dates	2005-2011
Place	Rijeka, Croatia
Organisation	Faculty of Engineering, University of Rijeka

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

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

TRAINING

Dates	26-30.09.2016.
Place	Udine, Italy
Course and Organisation	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.
Place	Vienna, Austria
Course and Organisation	Intoduction to Abaqus, Dassault Systemes Austria

Dates	23.-27.11.2015.
Place	Sceaux, France
Course and Organisation	Erasmus teaching staff mobility programme, École d'ingénieur-e-s EPF Sceaux

Dates	11.06.2013.-13.06.2013.
Place	Zagreb, Croatia
Course and Organisation	Setting-up of inspection bodies according to HRN EN ISO/IEC 17020:2012, Croatian Accreditation Agency & Centre for Transfer of Technology

Dates	04.09.2009.-04.01.2010.
Place	Brno, Czech Republic
Course and Organisation	Scientific research semester at Brno University of Technology, Faculty of Mechanical Engineering

Dates	14.-18.07.2008.
Place	Udine, Italy
Course and Organisation	Nonlinear Fracture Mechanics Models, International Centre for Mechanical Sciences (CISM)

Dates	10.-14.03.2008.
Place	Zagreb, Croatia
Course and Organisation	Fatigue Reliability and Rational Inspection Planning, ASDEPP

Dates	5.10.2004.
Place	Zagreb, Croatia
Course and Organisation	Supervision of Measuring Devices, Croatian Metrology Society

PERSONAL SKILLS

Native language	Croatian
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Other languages

Language	English	Italian
Speaking	Proficient user (C2)	Independent user (B1)
Writing	Proficient user (C2)	Basic user (A2)
Reading	Proficient user (C2)	Independent user (B1)

SOCIAL SKILLS Frequent work in research projects. Good communication and presentation skills proved at several international conferences.

ORGANISATIONAL/MANAGERIAL SKILLS Managing scientific research projects.
Organizing scientific conferences.
Mentoring PhD students.
Introducing and developing new study courses and programs.
Managing and organizing lectures and exams.
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.
Tensometric measurements.
Materials mechanical properties laboratory examination.
Use of FEM software: Ansys, Nastran, Femap, Fluent.
Other software: Microsoft Office, AutoCAD, WIKA EasyCom.
Pressure vessel, safety valve and pressure gauge inspection and testing.

DRIVING LICENSE B category

ADDITIONAL INFO

Rewards:

- FESTO Prize for Young Researchers and Scientists, DAAAM 2011, Vienna, Austria
- Award for excellence in studying, Faculty of Engineering, University of Rijeka, Croatia
- State scholarship for excellent students, Ministry of Science, Education and Sports, Republic of Croatia

Research projects:

- "Marine Structural Failures Database", International Association of Maritime Universities (IAMU) & The Nippon Foundation, principal investigator
- "Numerical modelling of crack occurrence and growth", no. 13.07.2.2.04., University of Rijeka, Croatia, principal investigator
- "Assessment of structural behaviour in limit state operating conditions", no. 6876, Croatian Science Foundation, research team member
- "Numerical analysis of structure response and experimental research of material properties", no. 13.09.1.1.01, University of Rijeka, Croatia, research team member
- "Numerical analysis of nonlinear problems in design and manufacturing", no. 0069-006, 2001-2005, Ministry of Science, Education and Sports, Republic of Croatia, research team member
- "Numerical analysis of structural response for specific service conditions", no. 069-0691736-1737, 2007-2013, Ministry of Science, Education and Sports, Republic of Croatia, research team member
- Distance e-learning course development, "Engineering Mechanics" project, 2013-2014, University of Rijeka, Croatia, project manager

Research collaborations:

- EPF Graduate School of Engineering, Sceaux, France
- Gdynia Maritime University, Gdynia, Poland

Published papers:

- more than 40 scientific papers published in international peer-reviewed journals and conferences (see full list here: <https://bib.irb.hr/lista-radova?autor=264810>)

Scientific paper reviewer for: The 6th International Conference on Physical and Numerical Simulation of Materials Processing, ICPNS 2010, Guilin, China, 16th IAMU AGA 2015, Opatija, Croatia, Journal of Aerospace Engineering, Journal of Mechanical Engineering Science, Journal of Mechanical Science and Technology, Theoretical and Applied Fracture Mechanics,

Engineering Review, Brodogradnja, Construction and Building Materials, Materials, Ocean Engineering, Materials Science...

Membership:

- Croatian Society of Mechanics.

Last edited: 2018-02-19