

Europass Curriculum Vitae

Personal Information

First name(s)/Surname(s) Sven Maričić
 Address(es) Supilova 333, 51300 Delnice
 Telephone(s) + 385 98 675 204
 E-mail sven@riscience.eu
 Personal webpage www.maricic.eu
 Nationality Croatian
 Date of birth 25.12.1978.

Scientist identification 289790



Work experience

Dates	2012. – present
Occupation or position held	Professional associate
Main activities and responsibilities	Lectures Application of new technology in dental medicine, Computed Tomography (CT) in modeling CAD models
Name and address of employer	Faculty of Medicine University of Rijeka, Br. Branchetta 20 ^a
Type of business or sector	Higher education
Dates	2011. – present
Occupation or position held	Senior teaching assistant, Head of the Laboratory for Plastic Deformations
Main activities and responsibilities	Production engineering, optimization of production processes, biotechnology, reconstruction of maxillofacial region, CAD / CAM, numerical simulation of production processes, technological processes, measuring technique, additive manufacturing – rapid prototyping, Computed Tomography (CT) in industrial applications.
Name and address of employer	Faculty of Engineering University of Rijeka, Vukovarska 58
Type of business or sector	Higher education
Dates	2006. – 2011.
Occupation or position held	Teaching Assistant, supervising student projects
Main activities and responsibilities	Teaching assistant, the area of production engineering, optimization of production processes, biotechnology, reconstruction of maxillofacial region, Computed Tomography (CT), CAD / CAM, numerical simulation of production processes, technological processes, measuring technique, additive manufacturing – rapid prototyping.
Name and address of employer	Faculty of Engineering University of Rijeka, Vukovarska 58
Type of business or sector	Higher education
Dates	2006. – 2007.
Occupation or position held	Lecturer
Main activities and responsibilities	Lecturer in the field of computer graphics, led the program AutoCAD Specialist
Name and address of employer	Narodno učilište d.o.o., Školjić 9
Type of business or sector	Institution for Education and Culture programs

Education and training

Dates 2013.

Title of qualification awarded	Trainee in the laboratory for additive manufacturing (1 month scholarship)
Principal subjects/occupational skills covered	3D print, water jet, biotechnology, Computed Tomography (CT) scanning technology
Name and type of organization providing education and training	CEEPUS program, UT Cluj Napoca, Romania
Dates	2011.
Title of qualification awarded	Trainee in the laboratory for metrology
Principal subjects/occupational skills covered	CMM, geometrical metrology and software testing
Name and type of organization providing education and training	TEMPUS program, DIMEG, Padua, Italy
Dates	2011
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Mechanical engineering
Name and type of organization providing education and training	Faculty of Engineering, University of Rijeka
Dates	2010
Title of qualification awarded	Trainee, professional seminar
Principal subjects/occupational skills covered	"Symbolic approach to FEM" i "Macro-micro and M5 modelling"
Name and type of organization providing education and training	C3M i University of Ljubljana, Slovenija
Dates	2009.
Title of qualification awarded	Trainee in the laboratory for Biotechnology
Principal subjects/occupational skills covered	Numerical analysis of genomic sequences
Name and type of organization providing education and training	Nielsen's lab for Systems Biology, Göteborg, Sweden
Dates	2005
Title of qualification awarded	Master thesis – mag. ing. mech. (M.Sc.)
Principal subjects/occupational skills covered	Production engineering, Comparison of Genetic and Stochastic Algorithms
Name and type of organization providing education and training	Faculty of Engineering University of Rijeka
Dates	2005.
Title of qualification awarded	Trainee in the department of construction
Principal subjects/occupational skills covered	Control of the production process - FMC flexible machining cell Working with the press for the formation of body parts Successfully finished Volvo's internal seminar for quality control and manufacturing process
Name and type of organization providing education and training	Volvo Personvagnar AB, Olofström, Sweden
Dates	2004.
Title of qualification awarded	Trainee in laboratory for production engineering
Principal subjects/occupational skills covered	Testing of materials for use in air conditioners. Machine maintenance. Working with Java applets.

Name and type of organization providing education and training

Helsinki University of Technology, Helsinki, Finland

Personal skills and competences

Mother tongue(s) Croatian

Other language(s)

Self-assessment

European level (*)

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2
German	A2	A2	A2	A2
Swedish	Basics	Basics	Basics	Basics

(*) Common European Framework of Reference for Languages

Organizational skills and competences

2015, RiScience International Congress, Member of Organization board
2015, 3D Printed Leg Prosthetics Project, Project Manager
2014, Cultural heritage Programme, Roman artifacts – CAD/CAM Restoration of Bronze Leaf
2013, Mentor in Startup incubator for young entrepreneurs,
2013, 7th Framework Programme for Research (FP7), technological development and Demonstration – People, FP7-PEOPLE-2013-NIGHT, Project Manager for Faculty of Engineering
2013, Editor in Chief, Faculty of Engineering - Yearbook
2013, Founder of RiScience, international workshop of 3D interaction (riscience.eu)
2012 - present, Head of Laboratory for Plastic deformation and Manufacturing Machines
2010, mentor and initiator of student initiatives "bioLeonardo"
2004 – 2005, Association of Students of Mechanical Engineering Rijeka, president of the association,
Production of biodiesel fuel - the originator and author of the project
Organization of seminars - organized by Assoc. of Stud. of Mech. Engineering Rijeka
The organization of international exchange students - Assoc. of Stud. of Mech. Engineering

2003 – 2004, ITC Compa, Rijeka
Lecturer,
Designed and led a course CAD design
Conceived and led the course of nonlinear video editing

Technical skills and competences

2013, Business academy Rijeka, Analysis of business activities using the financial reports
2013, Professional certificate SolidWorks Dassault Systèmes Corp
2010, University of Rijeka, IT Academy, e-Learning
2009, Scientific Summer School, Croatian Medical Journal, Trilj, Croatia
2005 – 2006, Croatian Chamber of Economy & Pbiro I.t.d., Rijeka
Seminars: "Introduction to Entrepreneurship", "How to successfully create and run your own business"

Computer skills and competences

MS Office, Windows, Linux-OpenSuse and Ubuntu, Open&Libre office, Freemind, XMind, Openproject, Corel Draw, AutoCAD, Inkscape, Blender, Magics, Mimics, SketchUp, ITK & VTK algorithms, ITK insight, Materialise Mimics.

Other skills and competences, awards

Annually Award 2014 for Contribution in Applying 3D print in Surgery, County Primorsko-goranska, Annually Award for 2013., City of Rijeka for Scientific Contribution in CAD/CAM and 3D printing area, Member of International Association for Dental Research, Continental European Division, Member of editorial board of Engineering faculty yearbook, Design Layout Editor – Engineering Review, Scientific Journal (er.riteh.hr)

Driving license B category

Invited lectures

2015 Scientific Summer School, Višnjan, invited lecture: 3D Print for Youth
2014 International Congress of Anatomy, invited lecture: Additive Manufacturing of Biocompatible Parts
2013 Share conference, invited lecture: A Novel Approach in Biotech Sciences, Rijeka
2013 Professional meeting, lecture title: Additive manufacturing and 3D modeling, Technical University of Cluj Napoca, Romania

2012 SF convention, lecture title: Biotechnology – Challenges and Opportunities, University Campus Rijeka

2012 16th International research/expert conference, lecture title: Application of Modeling and Optimization Methods in Abrasive Water Jet Machining, Dubai, UAE

2012 DTU-Technical University of Denmark: Additive manufacturing - based on biotech science, Copenhagen, Denmark

2012 Festival of science, lecture title: Biotechnology – producing biocompatible parts for humans, Rijeka

2011 School of Medicine University of Rijeka, lecture title: CBCT role in the reconstruction of large bone defects

2011 Student initiative BioLeonardo in cooperation with STEP (Science and Technology Park University of Rijeka), lecture title: Introduction to 3D CAD/CAM modeling

2011 Tempus project: WBC-VMnet in cooperation with Faculty of Engineering University of Rijeka, lecture title: Applying the additive manufacturing process, Workshop "Inovations in engineering"

Additional information

Elementary music school "Ivan Matetic Ronjgov", published a book "Posljednji riječki tramvaj", interior design, one of founder of students gallery named „Prtečac“

Applied CT projects with partners

Reconstruction of forehead and nose

Model for Endoscopic Surgery Practice based on CT data

