

dr Selma Rizvić is a Professor of Computer Graphics at the Faculty of Electrical Engineering, University of Sarajevo. For 23 years she has been teaching there at Bachelor, Masters and PhD study programs. From 2005-2010 she has been engaged as well at the Sarajevo School of Science and Technology, where she established computer graphics courses and Digital Media Center laboratory.

At the University of Sarajevo she founded in 2004 the Laboratory for Computer Graphics - **Sarajevo Graphics Group**. It is a research group that specialises in the use of 3D technologies for the presentation of cultural heritage. The SGG research group is multidisciplinary, it includes computer graphics experts and works with archaeologists, historians, visual artists, writers, film professionals, in order to design and implement virtual cultural heritage applications which have both educational value and are engaging, entertaining and attractive at the same time. In 2010 she established Association for cultural heritage digitization **DIGI.BA**, as a production team for digital cultural heritage applications.

The unique expertise of SGG in interactive digital storytelling embedded in a number of virtual archaeology projects brought them invitations in major EU consortiums. From 2011-2015 they have been a partner in the FP7 NoE Virtual Museum Transnational Network **V-MusT.net** and in [H2020 iMARECULTURE](#). Presently they are involved in **EACEA Creative Europe Real Heroes** project and several smaller local and regional projects.

Selma Rizvic was a Work Group leader in MPNS COST Action TD1201 [“Colour and Space in Cultural Heritage”](#) (COSCH) from 2012-2016. She is now Steering Committee member of CA COST Action CA16213 [New Exploratory Phase in Research on East European Cultures of Dissent](#), as well as a Steering Committee member of the EUROGRAPHICS Workgroup on Graphics and Cultural Heritage.

She is included as expert in future digital based research and innovation activities on ICT and Cultural Heritage in the framework of the next work programme of the European commission.

Citizenship: Bosnia and Herzegovina

Nationality: Bosniak

Home Language: Bosnian

Languages: English (speak, read write); German, Italian (basic understanding)

Present appointments:

- Professor, Faculty of Electrical Engineering Sarajevo, University of Sarajevo, Bosnia and Herzegovina
- Head of the Laboratory for Computer Graphics - Sarajevo Graphics Group
- President of DIGI.BA Association

Qualifications:

PhD, 2007, University of Sarajevo

MSc, 2002, University of Sarajevo

BScEE, 1990, Faculty of Electrical Engineering Sarajevo

Research:

Computer Graphics, Computer Animation, Broadcast Graphics, Virtual Heritage, Digital Storytelling

Books:

S.Rizvic - Digitalna prezentacija kulturnog naslijedja Bosne i Hercegovine Publisher - TDP Sarajevo, 2018, ISBN 978-9958-553-44-8

S.Rizvic, V.Okanovic - Osnovni principi kompjuterske grafike Publisher - TDP Sarajevo, 2017, ISBN 978-9958-553-38-7

S. Rizvic - Napredne tehnike kompjuterske grafike, Publisher - 5DCaDD Sarajevo, 2010, ISBN 978-9958-629-38-9

S. Rizvic, E. Kunovac – Računarska grafika, Ministarstvo za obrazovanje, nauku, kulturu i sport Federacije BiH, Sarajevo, 1998, ISBN 9958-11-063-6

EU projects participation:

EACEA Creative Europe Real Heroes, coordinator for DIGI.BA, 2020-2023

CA COST Action CA16213 New Exploratory Phase in Research on East European Cultures of Dissent, Management Committee Member, 2017-2021

Horizon 2020 project i-MARECULTURE - Advanced VR, iMmersive serious games and Augmented REality as tools to raise awareness and access to European underwater CULTURAl heritagE, coordinator for University of Sarajevo, 2016-2019

MPNS COST Action TD1201 "Colour and Space in Cultural Heritage" (COSCH), Management Committee member, Work Package Leader, 2012-2016

FP7 Network of Excellence 270404: V-MusT.net - Virtual Museum Transnational Network, coordinator for ETF, 2011-2014

TEMPUS JEP_41058_2006 Curriculum Development project "Computer Graphics for the Media Industry", PMB member from SSST, 2006-2009

Projects:

see the Sarajevo Graphics Group web site

<https://people.etf.unsa.ba/~srizvic/sgg.htm>

Fully Refereed Animations

Chalmers A.G. Rizvic S., Gutierrez D. Sundstedt V. Dust and Light: Reconstructing Ancient Egypt. Eurographics Animation Festival, September 2006.

Rizvic S. Sadzak. A – Sun Simulation of Bosnian Gravestone Virtual Model – Computer Animation Contest winner, SCCG 06

Editor for journals:

Elsevier, Digital Applications in Archaeology and Cultural Heritage

Reviewer for journals:

International Journal of Computational Methods in Heritage Science (IJCMHS)

ACM Journal on Computing and Cultural Heritage

Wiley, Computer Graphics Forum

Elsevier, Journal of Cultural Heritage

Elsevier, Computers & Graphics

Rochester Institute of Technology, Journal of Interactive Humanities

Springer, Journal of Computing in Higher Education

Faculty of Mathematics, Belgrade, Review of the National Center for Digitization

Conference Organisation

17th EUROGRAPHICS Workshop on Graphics and Cultural Heritage, IPC chair

16th EUROGRAPHICS Workshop on Graphics and Cultural Heritage, IPC member and reviewer

9th International Conference on Virtual Worlds and Games for Serious Applications: VS-Games 2017, IPC member and reviewer

15th EUROGRAPHICS Workshop on Graphics and Cultural Heritage, IPC member and reviewer

14th EUROGRAPHICS Workshop on Graphics and Cultural Heritage, IPC member and reviewer

Digital Heritage Congress 2015, IPC member and reviewer

Seventh International Conference on Virtual Worlds and Games for Serious Applications: VS-Games 2015, IPC member and reviewer

GCH 2014 : 12th EUROGRAPHICS Workshop on Graphics and Cultural Heritage, IPC member and reviewer

SEEDI 2011, Program CoChair

VAST-STARs Committee Co-Chair, VAST 2010

Conference Chair - The Fifth SEEDI Conference Digitization of cultural and scientific heritage, Sarajevo, Bosnia i Hercegovina, 2010

Local Organizing Chair - 19th Eurographics Symposium on Rendering, Sarajevo 2008.

Local Organizing Chair - Graphics Hardware Workshop, Sarajevo 2008.

Organizing Committee Member - First International Symposium on Digitalization of Cultural Heritage of Bosnia and Herzegovina, Sarajevo 2008.

International Programme Committee Member and Reviewer - Central European Seminar on Computer Graphics - CESC

Reviewing Board Member– Graphite 2006: 4th International Conference on Computer Graphics and Interactive Techniques in Australasia and South East Asia, Kuala Lumpur, December 2006.

Posters Reviewing Board Member - SIGGRAPH 2006

Organizing Committee Member – BIHTEL 2010, Sarajevo

Organizing Committee Member – ICAT09, Sarajevo

Organizing Committee Member – BIHTEL08, Sarajevo

Organizing Committee Member – ICAT07, Sarajevo

Organizing Committee Member – BIHTEL06, Sarajevo

Organizing Committee Member – ICAT05, Sarajevo

Organizing Committee Member – BIHTEL04, Sarajevo

Organizing Committee Member – IKTO3, Sarajevo

Membership:

XR4ALL, Ambassador and leader of the Special Interest Group "XR for digital heritage presentation"

Steering Committee of the EUROGRAPHICS Workshop on Graphics and Cultural Heritage.

ICOMOS BH National Committee

EuroGraphics

Theses:

MSc: Computer Graphics in Broadcast Design

PhD: Automatic Speech Animation of a 3D Polygonal Model with Preprocessing using Artificial Neural Networks

Work experience:

1990-1992 – Research Assistant, LERT Laboratory, Faculty of Electrical Engineering Sarajevo

1996-1997 – Public Relations Assistant – UNHCR Sarajevo

1993 – 2006 – Broadcast Designer, Public Broadcasting Service B&H

2006 - 2019: Head of Broadcast Design Department, Public Broadcasting Service B&H - as a Broadcast Designer in Public Broadcast Service of Bosnia and Herzegovina, she has designed the visual identities of RTVBiH, FTV, BHTV1 and many other opening animations, commercials and visual effects for Bosnia and Herzegovinian broadcast and movie production

1995 - 2008: Lecturer, Faculty of Electrical Engineering Sarajevo

2005 - 2007: Lecturer, Sarajevo School of Science and Technology, Sarajevo

2008 - 2013: Docent, Faculty of Electrical Engineering Sarajevo

2008 - 2011: Docent, Sarajevo School of Science and Technology, Sarajevo

2009 - 2018: Head of the Laboratory for Cultural Heritage Digitization, SSST, Sarajevo

2013 - 2018: Associate Professor, Faculty of Electrical Engineering Sarajevo

More info at: <http://people.etf.unsa.ba/~srizvic/>