

Belma Ramić-Brkić

PERSONAL DATA:

Occupation: Assistant Professor
Nationality: Bosnian
Gender: Female

EDUCATION:

2013 **PhD in Engineering**
University of Warwick, United Kingdom
2009 **Master of Science in Computer Graphics**
Faculty of Electrical Engineering, Sarajevo
Department of Computer Science
2006 **Bachelor of Science**
Faculty of Electrical Engineering, Sarajevo
Department of Computer Science

PROFESSIONAL EXPERIENCE:

2017 – Present **Dean**
Computer Science and Information Systems Department
Sarajevo School of Science and Technology
2015 – 2017 **Vice Dean of Undergraduate Program**
Computer Science and Information Systems Department
Sarajevo School of Science and Technology
2014 – Present **Assistant Professor**
Computer Science and Information Systems Department
Sarajevo School of Science and Technology
Courses: Computer Graphics, Databases for Economists, Human Computer
Interaction, Data Visualization (Graduate course)
2009 – 2013 **Senior Teaching Assistant / Lecturer**
Computer Science and Information Systems Department
Sarajevo School of Science and Technology
Courses: Computer Graphics, Databases, Statistics, Discrete Math
2006 – 2009 **Teaching Assistant**
Computer Science and Information Systems Department
Sarajevo School of Science and Technology
Courses: Computer Graphics, Databases
2005 – 2006 **Teaching Demonstrator**
Computer Science and Information Systems Department
Sarajevo School of Science and Technology
Course: Computer Graphics
2005 – 2006 **Teaching Demonstrator**
Faculty of Electrical Engineering, Sarajevo
Course: Computer Graphics
Jun 2005 – Oct 2005 **Business Application Developer**
Siemens, Sarajevo
2003 – 2004 **Portal Developer**
Oracle, Sarajevo

HONORS:

2006 Faculty of Electrical Engineering, Sarajevo, Top 10 Honors Graduate
2005 – 2007 Ministry of Education Academic scholarship
2002 – 2005 Ministry of Education and Novi Grad Municipality, Academic scholarship

AWARDS:

2016 **The Faculty Excellence Award**
For the best performing department (CSIS) during the academic year 2015/2016.

2016 **2nd place, FIT Coding Challenge**
Mentored a student who presented an educational game *Kockica*, developed for kids with autism.

2016 **3rd place, FIT Coding Challenge**
Mentored a group of students who presented an educational game *Veseli Park*, developed for kids with autism.

2015 **The EX SOLO AD SOLEM Award**
For contribution to the development and progress of SSST over a ten-year period.

2007 - 2011 **Warwick Postgraduate Research Scholarship and Overseas Research Student Awards Scheme**

LANGUAGES:

Mother tongue: Bosnian
Other languages: English (fluent) , German (basic)

PROJECTS:

- Member of the Sarajevo Graphics Group
 - Virtual Reconstruction of the Church of the Holy Trinity in Mostar, B&H
 - Virtual City of Sarajevo
- Member of DIGI.BA – Association for digitization and information of cultural heritage
- Member of DNT.BA - Association for the development, promotion and application of advanced technologies

CONFERENCE ORGANISATION:

- Local Organizing Chair – 10th Days of BHAAAS in B&H, The International Symposium on Computer Science, 2018.
- Local Organizing Chair – Oracle Academy Days in Sarajevo, B&H, 2017.
- Local Organizing Chair – 9th Days of BHAAAS in B&H, The International Symposium on Computer Science, 2017.
- Local Organizing Chair - 19th Eurographics Symposium on Rendering, Sarajevo 2008.
- Local Organizing Chair - Graphics Hardware Workshop, Sarajevo 2008.

RESEARCH INTERESTS:

- Serious games
- Perception and Attention
- ICT in Education
- Cultural Heritage Digitization
- Cross-Modal Interaction
- Human Computer Interaction
- Data mining techniques and applications

PUBLICATIONS:

- Bajraktarevic S. and Ramic-Brkic B., **“Farm: Serious Game for Addressing Child Obesity”**. In: Hadžikadić M., Avdaković S. (eds) Advanced Technologies, Systems, and Applications II. IAT 2018. Lecture Notes in Networks and Systems, vol 28., pp. 337-345, Springer.
- Catic T. and Ramic-Brkic B., **“SSST-Cloud: Developing a Cloud System for a University”**. In: Hadžikadić M., Avdaković S. (eds) Advanced Technologies, Systems, and Applications II. IAT 2018. Lecture Notes in Networks and Systems, vol 28., pp. 321-328, Springer.
- Kulovic S. and Ramic-Brkic B., **“DIY Smart Mirror”**. In: Hadžikadić M., Avdaković S. (eds) Advanced Technologies, Systems, and Applications II. IAT 2018. Lecture Notes in Networks and Systems, vol 28., pp. 329-336, Springer.
- Krnic M. and Ramic-Brkic B., **“Science Battle”**. In: Hadžikadić M., Avdaković S. (eds) Advanced Technologies, Systems, and Applications II. IAT 2018. Lecture Notes in Networks and Systems, vol 28., pp. 282-289, Springer.
- Bajraktarevic S. and Ramic-Brkic B., **“Kockica: Developing a Serious Game for Alphabet Learning and Practicing Vocabulary”**. In: Hadžikadić M., Avdaković S. (eds) Advanced Technologies, Systems, and Applications. Lecture Notes in Networks and Systems, vol 3., pp. 349-358, Springer, 2017.
- Kolakovic A. and Ramic-Brkic B., **“Aviončići: Developing a Serious Game for Counting and Color-Matching”**. In: Hadžikadić M., Avdaković S. (eds) Advanced Technologies, Systems, and Applications. Lecture Notes in Networks and Systems, vol 3., pp. 359-367, Springer, 2017.
- Ramic-Brkic B. and Chalmers A., **“Olfactory Adaptation in Virtual Environments”**. ACM Transactions on Applied Perception (TAP), 11 (2), 6, 2014.
- S. Hadzidedic, N. Dervishalidovic, A. Pandzo and B. Ramic-Brkic, **“Use of Student Response Systems in Higher Education in Bosnia and Herzegovina”**. Proceedings of the 7th European Computing Conference (ECC '13), WSEAS, 25-27 June, 2013, Dubrovnik, Croatia, ISSN: 1790-5109, ISBN: 978-960-474-304-9.
- Ramic-Brkic B., Chalmers A., Sadzak A., Debattista K. and Sultanic S., **“Exploring multiple modalities for selective rendering of virtual environments”**. In SCCG '13: Proceedings of the Spring Conference on Computer Graphics. ACM SIGGRAPH, 2013.
- Rizvic S., Sadzak A., Ramic-Brkic B. and Hulusic V., **“Virtual Museums and Their Public Perception In Bosnia And Herzegovina”**. International Archives of Photogrammetry, Remote Sensing and Spatial Information Sciences Volume 38-5/W16, ISSN Number 1682-1777, 2011.
- Chalmers A., Debattista K. and Ramic-Brkic B., **“Towards high-fidelity multi-sensory virtual environments”**. The Visual Computer, Volume 25, Number 12, pp 1101-1108, 2010.
- Ramic-Brkic B. and Chalmers A., **Virtual smell: Authentic smell diffusion in virtual environments**. In Proceedings of the 7th International Conference on Computer Graphics, Virtual Reality, Visualisation and Interaction in Africa, Franschhoek, South Africa, June 21-23, 2010.
- Ramic-Brkic B., Karkin Z., Sadzak A., Selimovic D. and Rizvic S. **Augmented Real-Time Virtual Environment of the Church of the Holy Trinity in Mostar**. In Proceedings of VAST 2009, ISBN 978-3-905674-18-7, pg 141-148

- Rizvic S., Ramic-Brkic B. and Sadzak A. **Digital Storytelling in the Church of the Holy Trinity Virtual Environment**. Proceedings of Joint Virtual Reality Conference, JVRC 2009, Lyon, 2009.
- Ramic-Brkic B., Chalmers A., Boulanger K., Pattanaik S. and Covington J. **Cross-modal effects of smell on the real-time rendering of grass**. In SCCG '09: Proceedings of the Spring Conference on Computer Graphics. ACM SIGGRAPH, 2009.
- Rizvic S., Ramic-Brkic B and Sadzak A. **Očuvanje kulturnog naslijeđa u digitalnom obliku**. IV regionalna konferencija o integrativnoj zaštiti, Banja Luka, 2009.
- Ramic-Brkic B., Rizvic S. **XVR (eXtreme Virtual Reality) – A new Web 3D Technology**. BiHTel, Sarajevo, 2008.
- Pilav E., Ramic-Brkic B. **Real-time image based rendering using limited resources**. CESC, Bratislava, April 2008.
- Ramic B., Chalmers A., Hasic J., Rizvic S. **Selective Rendering in Multimodal Environment: Scent and Graphics**. In SCCG '07: Proceedings of the Spring Conference on Computer Graphics. ACM SIGGRAPH, 2007.