

ALIJA PAŠIĆ

PERSONAL/ CONTACT INFORMATION

DATE OF BIRTH: April 22, 1988

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WORK EXPERIENCE

- | | |
|------------|---|
| 2016- | ASSISTANT LECTURER. DEPARTMENT OF TELECOMMUNICATIONS AND MEDIA INFORMATICS, BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS |
| 2016- | COST CA15127 ACTION "RESILIENT COMMUNICATION SERVICES PROTECTING END-USER APPLICATIONS FROM DISASTER-BASED FAILURES" (RECODIS) |
| 2014 -2015 | GÉANT OPEN CALL PROJECT MINERVA AT BME (CONSORTIUM PARTNER: I2CAT) |
| 2013-2016 | PHD STUDENT, DEPARTMENT OF TELECOMMUNICATIONS AND MEDIA INFORMATICS BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS |
| 07/2011 | INTERNSHIP (MSC.) AT KARLSRUHE INSTITUTE OF TECHNOLOGY, INSTITUTE FOR INFORMATION PROCESSING TECHNOLOGIES (ITIV) |
| 07/2010 | INTERNSHIP (BSC.) AT KARLSRUHE INSTITUTE OF TECHNOLOGY, INSTITUTE FOR INFORMATION PROCESSING TECHNOLOGIES (ITIV) |

EDUCATION

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| 2011 - 2013 | BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS – ELECTRICAL ENGINEER (MSC.)
excellent, with highest honours |
| 2009 – 2010 | KARLSRUHE INSTITUTE OF TECHNOLOGY, KARLSRUHE (GERMANY) – ELECTRICAL ENGINEER (BSC.)
Robert Bosch scholarship |
| 2007 - 2011 | BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS – ELECTRICAL ENGINEER (BSC.) |
| 2002 – 2007 | SCHILLER-GYMNASIUM PILISVÖRÖSVÁR
Bilingual (German – Hungarian) secondary grammar school |

LANGUAGE SKILLS

SERBO-CROATIAN (BOSNIAN) (native language)

HUNGARIAN (native language)

GERMAN (professional working proficiency)

DSD (Deutsches Sprachdiplom)

ENGLISH (professional working proficiency)

AWARDS

NATIONAL CONFERENCE OF SCIENTIFIC STUDENTS ASSOCIATIONS 1ST PLACE

(National, 2013)

CONFERENCE OF SCIENTIFIC STUDENTS ASSOCIATIONS 1ST PLACE

(Budapest University of Technology and Economics ,2012)

ROBERT BOSCH SCHOLARSHIP, 2009

I graduated at Budapest University of Technology and Economics in 2013: excellent, with highest honours (summa cum laude).

PUBLICATIONS

Pašić, Alija, Babarczi, Péter, & Tapolcai, János „Unambiguous Switching Link Group Failure Localization in All-Optical Networks”, Networks journal (Wiley), 2017

Babarczi, Péter, Tapolcai, János. **Pašić, Alija**, Rónyai, Lajos, Bérczi-Kovács, Erika and Médard, Muriel, “Diversity Coding in Two-Connected Networks,” IEEE/ACM Transactions on Networking, vol. PP, iss. 99, pp. 1-1, 2017.

Pašić, Alija, Péter Babarczi, and Attila Kőrösi. "Diversity Coding-Based Survivable Routing with QoS and Differential Delay Bounds." Optical Switching and Networking (2016).

A. Pašić , P. Babarczi, „Switching Link Group Failure Identification via Monitoring Trails in All-Optical Networks” in Proc. Workshop on Reliable Networks Design and Modeling (RNDM), Halmstad, Sweeden, 2016, pp. 1-8

Teresa Gomes, Janos Tapolcai, Christian Esposito, David Hutchison, Fernando Kuipers, Jacek Rak, Amaro de Sousa, Athanasios Iossifides, Rui Travanca, Joao André, Lúisa Jorge, Lucia Martins, Patricia Ortiz Ugalde, **Alija Pašić**, Dimitrios Pezarosxiv, Simon Jouet, Stefano Secci, Massimo Tornatore „A survey of strategies for communication networks to protect against large-scale natural disasters” in Proc. Workshop on Reliable Networks Design and Modeling (RNDM), Halmstad, Sweeden, 2016, pp. 1-12.

Massimo Tornatore, Joao André, Péter Babarczi, T Braun, E Følstad, P Heegaard, A Hmaity, M Furdek, L Jorge, W Kmiecik, C Mas Machuca, L Martins, C Medeiros, F Musumeci, **A. Pašić**, J Rak, S Simpson, R Travanca, A Voyiatzis, „A Survey on Network Resiliency Methodologies against Weather-based Disruptions” in Proc. Workshop on Reliable Networks Design and Modeling (RNDM), Halmstad, Sweeden, 2016, pp. 1-12.

A. Pašić and P. Babarczi, “*Delay Aware Survivable Routing with Network Coding in Software Defined Networks*” in Proc. Workshop on Reliable Networks Design and Modeling (RNDM), Munich, Germany, 2015, pp. 1-7.

A. Pašić, J. Tapolcai, P. Babarczi, E. Bérczi-Kovács, Z. Király, and L. Rónyai, “*Survivable Routing Meets Diversity Coding*,” in IFIP Networking, Toulouse, France, 2015, pp. 1-9

P. Babarczi, **A. Pašić**, J. Tapolcai, F. Németh, and B. Ladóczki, “*Instantaneous recovery of unicast connections in transport networks: Routing versus coding*,” Elsevier Computer Networks, Special Issue on Robust and Fault-Tolerant Communication Networks, 2015. impact factor 1.282

Péter Babarczi, János Tapolcai, **A. Pašić**, Sara Rahimi, and Pin-Han Ho, “*New Addressing Scheme to Increase Reliability in MPLS with Network Coding*,” in Proceedings of the 9th International Workshop on the Design of Reliable Communication Networks (DRCN), pp. 36-43, Budapest, Hungary

A. Pašić. Hozzárendelt védelem gyakorlati megvalósíthatóságának vizsgálata hálózati kódolás alkalmazásával. Technical report, Budapest University of Technology and Economics, 2013.
