|  |  |
| --- | --- |
| D:\Desktop\Johi\Doktori\cv\sapi_johanna.jpg |  Johanna Sápi, PhD |
|

|  |  |
| --- | --- |
| vector black education icons set on gray - stock vector | Professional position |

2016 – **Senior lecturer/reseracher** Obuda University John von Neumann Faculty of Informatics Institute of BiomaticsPhysiological Controls Research Center 2015 – 2016 **Assistant lecturer/reseracher** Obuda University John von Neumann Faculty of Informatics Institute of BiomaticsPhysiological Controls Group 2013 – 2015 **PhD student** Obuda University John von Neumann Faculty of Informatics Institute of Applied InformaticsPhysiological Controls Group 2012 – 2013 **PhD student**  Budapest University of Technology and Economics Faculty of Electrical Engineering and InformaticsDepartment of Control Engineering and InformationTechnologyLaboratory of Biomedical Engineering

|  |  |
| --- | --- |
| vector black education icons set on gray - stock vector | Education |

2016 Semmelweis University’s Institutional Animal Care and Use  Committee  Experimental animals – animal experiments course level “B”  **The course gives permission to carry out animal experiments**  **and design projects**2013 – 2015 Obuda University Doctoral School of Applied Informatics and  Applied Mathematics (PhD)**PhD in Applied Informatics** (Summa cum laude) Research topic: *Model-based control of cancer diseases*Thesis: *Controller-managed automated therapy and tumor growth model identification in the case of antiangiogenic* *therapy for most effective, individualized treatment*Supervisor: Levente Kovács PhD, habil2012 – 2013 Budapest University of Technology and Economics Doctoral Schools at Faculty of Electrical Engineering and  Informatics**PhD in Electrical Engineering**Research topic: *Model-based control of cancer diseases* Supervisor: Levente Kovács PhD2010 – 2012 Budapest University of Technology and Economics Faculty of Electrical Engineering and Informatics**MSc in Biomedical Engineering** (Summa cum laude)Thesis: *Optimal control algorithms for antiangiogenic therapy based tumor treatment*Supervisors: Levente Kovács PhD, István Harmati PhD, Dániel András Drexler, Prof. Zoltán Sápi MD PhD2006 – 2010 Semmelweis UniversityFaculty of Medicine **BSc in Health care management**Thesis: *Interactive, personalized health education and therapy support via Internet for patients with metabolic syndrome* Supervisor: Zoltán Sára  1998 – 2004 St. Stephens Secondary School, Budapest Class of Natural Sciences  **High school diploma**

|  |  |
| --- | --- |
| Set of icons. education - stock vector | Languages |

Hungarian: nativeEnglish: intermediateRussian: basic

|  |  |
| --- | --- |
| vector black education icons set on gray - stock vector | Professional results |

2009 III. place in Students’ Scientific Association (TDK) conferenceSemmelweis UniversityPaper: *Metabolic Syndrome – the endemic*Supervisor: Péter Csépe MD PhDSemmelweis University, Faculty of Medicine, Department of Public Health2017 Dean’s award  Obuda University, John von Neumann Faculty of Informatics

|  |  |
| --- | --- |
| vector black education icons set on gray - stock vector | Supervisor activities |

* Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics, Biomedical Engineering MSc thesis (1)
* Obuda University, John von Neumann Faculty of Informatics, Computer Science and Engineering BSc thesis (2)
* Obuda University, John von Neumann Faculty of Informatics, Computer Science and Engineering MSc thesis (2)
* Pázmány Péter Catholic University, Faculty of Information Technology and Bionics, Molecular Bionics Engineering BSc thesis (1)
* Pázmány Péter Catholic University, Faculty of Information Technology and Bionics, Info-Bionics Engineering MSc thesis (1)
* Obuda University, John von Neumann Faculty of Informatics, Scientific Students' Associations (TDK) (2)

|  |  |
| --- | --- |
| vector black education icons set on gray - stock vector | Courses taught |

* Biomedical computing practices (BMEVIMIM301), BME-VIK, Biomedical Engineering MSc, in Hungarian
* Control Theory (BMEVIMM158), BME-VIK, Biomedical Engineering MSc, in Hungarian
* Biomedical Engineering (BMEVIIIAV09), BME-VIK, Biomedical Engineering MSc, in Hungarian
* Control Theory I. (NIRIT1SAEC), OE-NIK, Computer Science Engineering BSc, in Hungarian
* Control Theory II. (NIRIT2SAEC), OE-NIK, Computer Science Engineering BSc, in Hungarian
* Biomedical Engineering (NIRBE1SVNC) OE-NIK, Computer Science Engineering BSc, in Hungarian
* Basics of Information Systems (NIRIA1SEND), OE-NIK, Computer Science Engineering BSc, in English
* Control Engineering (NIRCE1SERD), OE, Science Without Borders program

(for Brazilian students), in English* Intelligent Systems (NIRIS1SERD), OE, Science Without Borders program

(for Brazilian students), in English * Control Theory (NIRIT0SAED), OE-NIK, Computer Science Engineering BSc, in Hungarian
* Biomedical Engineering (NAIBE1SEND), OE-NIK, Computer Science Engineering BSc, in English
* Systems and control theory (NAIRI1CANM), OE-NIK, Computer Science Engineering MSc, in Hungarian
* Systems and control theory (NAIRI1CENM), OE, Stipendium Hungaricum program, MSc, in English

|  |  |
| --- | --- |
| Set of icons. education - stock vector | Curricula development |

* Systems and control theory KMOOC E-learning course (in Hungarian, 2015, Dr. habil. Levente Kovács, Dr. Johanna Sápi)
* Control Theory KMOOC E-learning course (in Hungarian, 2016, Dr. Dániel András Drexler, Dr. habil. Levente Kovács, Dr. Johanna Sápi)

|  |  |
| --- | --- |
| vector black education icons set on gray - stock vector | Reviewer activities |

* *Conference:*
* IFAC (International Federation of Automatic Control)
* INES (IEEE International Conference on Intelligent Engineering Systems)
* CINTI (IEEE I nternational Symposium on Computational Intelligence and Informatics)
* SAMI (IEEE International Symposium on Applied Machine Intelligence and Informatics)
* SACI (IEEE International Symposium on Applied Computational Intelligence and Informatics)
* SMC (IEEE International Conference on Systems, Man, and Cybernetics)
* ICIEA (IEEE Conference on Industrial Electronics and Applications)
* PID (IFAC Conference on Advances in Proportional-Integral-Derivative Control)
* CDC (IEEE Conference on Decision and Control)
* *Journal:*
* Acta Polytechnica Hungarica
* reviewer
* Informatics Track Chair (2017 – 2018)
* IEEE Access
* *Thesis:* Budapest University of Technology and Economics, Faculty of Electrical Engineering and Informatics (MSc); Obuda University, John von Neumann Faculty of Informatics (MSc)
* Students' Scientific Association *Conference* (OU), National Students' Scientific Association *Conference*
* *New National Excellence Program (ÚNKP)* Scholarship for MSc students – reviewer

|  |  |
| --- | --- |
| Set of icons. education - stock vector | Conference organization |

* Organizing Committee Chair: 30th Jubilee Neumann Colloquium, 2017, Budapest
* Local Organizing Committee member / Track Chair:
* SMC 2016 Junior Systems Science & Engineering track chair – IEEE International Conference on Systems, Man, and Cybernetics, Budapest, Hungary
* SMC 2016 Local Organizing Committee member – IEEE International Conference on Systems, Man, and Cybernetics, Budapest, Hungary
* Technical Program Committee member:
* SMC 2016 – IEEE International Conference on Systems, Man, and Cybernetics, Budapest, Hungary
* SAMI 2016 – IEEE International Symposium on Applied Machine Intelligence and Informatics, Herl’any, Slovakia

|  |  |
| --- | --- |
| Set of icons. education - stock vector | Research projects involvements |

* ERC StG Grant “*Tamed Cancer*” 679681 (2016-2021), professional coordinator, researcher (Principal Investigator: Prof. Dr. Levente Kovács)
* TÁMOP 4.2.2.D-15/1/KONV-2015-0002 project “*Development of smart technologies for supporting high-tech industrial areas*” (2015), researcher
* National Development Agency, GOP-2011-1.1.1 program, GOP-1.1.1-11-2012-0055 project, “*DIALOGIC – Mathematical model-based decision support system to improve diabetes health management*” (2012-2013), researcher

|  |  |
| --- | --- |
| Set of icons. education - stock vector | Professional affiliations and contributions |

* John von Neumann Computer Society Biomedical Section board member (2016 – )
* IEEE (Institute of Electrical and Electronics Engineers) member (Membership number: 92621920)
* IEEE Student member (2013 – 2015)
* IEEE member (2015 – )
* IEEE Systems, Man, and Cybernetics (SMC) Society member (2015 – )
* IEEE SMC Hungary Section Chapter secretary (2016 – )
* IEEE Young Professionals member (2015 – )
* IEEE Women in Engineering member (2015 – )
* IEEE Engineering in Medicine and Biology Society member (2015 – )

|  |  |
| --- | --- |
| vector black education icons set on gray - stock vector | Publications |

Johanna Sápi’s publications in MTMT:<https://vm.mtmt.hu//search/slist.php?lang=0&AuthorID=10036432>She was published 48 scientific publications and her cumulative impact factor is 24.91, h-index is 13. |
|

|  |  |
| --- | --- |
| vector black education icons set on gray - stock vector | Research field |

Biomedical systems, control theory, pathophysiological modeling, system identification, cancer treatment

|  |  |
| --- | --- |
| Baby icon set - stock vector | Place of birth |

Budapest, Hungary

|  |  |
| --- | --- |
| Baby icon set - stock vector | Date of birth |

January 07, 1986

|  |  |
| --- | --- |
| Contact us icons set - stock vector | Address |

H-1034 Budapest, Bécsi street 96/b. BA.3.25

|  |  |
| --- | --- |
| Contact us icons set - stock vector | Phone number |

00363053109110016665553

|  |  |
| --- | --- |
| Contact icons buttons set - envelope, mobile, phone, mail - stock vector | E-mail |

sapi.johanna@nik.uni-obuda.hu |