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| 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 Biomatics  Physiological Controls Research Center  2015 – 2016 **Assistant lecturer/reseracher**  Obuda University  John von Neumann Faculty of Informatics  Institute of Biomatics  Physiological Controls Group  2013 – 2015 **PhD student**  Obuda University  John von Neumann Faculty of Informatics  Institute of Applied Informatics  Physiological Controls Group  2012 – 2013 **PhD student**  Budapest University of Technology and Economics  Faculty of Electrical Engineering and Informatics  Department of Control Engineering and Information  Technology  Laboratory 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, habil  2012 – 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 PhD  2010 – 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 PhD  2006 – 2010 Semmelweis University  Faculty 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: native  English: intermediate  Russian: basic   |  |  | | --- | --- | | vector black education icons set on gray - stock vector | Professional results |   2009 III. place in Students’ Scientific Association (TDK) conference  Semmelweis University  Paper: *Metabolic Syndrome – the endemic*  Supervisor: Péter Csépe MD PhD  Semmelweis University, Faculty of Medicine, Department of Public Health  2017 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 |   0036305310911  0016665553   |  |  | | --- | --- | | Contact icons buttons set - envelope, mobile, phone, mail - stock vector | E-mail |   [sapi.johanna@nik.uni-obuda.hu](mailto:sapi.johanna@nik.uni-obuda.hu) |