

Instructions:

Write a formal biography (150-200 words) that should be adequate for the context of an international conference in your wider field; the conference takes place in Germany but the audience is global, and the variety is from top research teams to PhD candidates.

Michal Lukac studied at Brno University of Technology where he got practical experience of implementing large-scale database systems. After finishing his bachelors degree he continued at Masaryk University in the field of Artificial Intelligence. Michal's first steps in the field of machine learning were through massive online courses from Coursera. His Master's thesis about neural networks won the Dean's Award for most outstanding thesis. In 20XX he joined the company XYZ s.r.o. as junior database administrator for Oracle database. Michal's curiosity in data led him to combine machine learning techniques and databases. Currently he is researcher at the Laboratory of Data Intensive Systems and Applications at the Faculty of Informatics, Masaryk University. His supervisor is Professor Zezula and Doctor Novak. Researched techniques can be used for extremely fast searches of multimedia data in sql and nosql databases. Michal is also passionate about Brazilian Jiu Jitsu.

Thenraja Vettivelraj received a Bachelor's degree in Computers from Karunya University, India. In 2012, he completed his Masters in Computing and Software Technology from Swansea University, UK. From 2013 to 2016, he worked at Soran University, Kurdistan. From 2008 to 2013 Thenraja worked in companies like Sutherland Global Services, Vembu Technologies, Tech Mahindra and Amazon.co.uk. Currently, he is a Team member of a research team in CROCS, FI, Masaryk University and simultaneously doing his PhD. At CROCS Thenraja works in "Randomness analysis in Cryptographic function outputs" where he works in EACirc project (EACirc is a framework for automatic problem solving. It can be utilised as randomness testing tool similar to statistical batteries (NIST STS, Dieharder, TestU01), for instance for analysis of cryptographic function outputs). Thenraja's other interests include Android Security. He is also the CO-Director of Galaxy Primary School, India.

Vojtech Sysel studied astrophysics at the Silesian University in Opava. His Bachelor's thesis was about the rings of the planet Saturn. He then continued at the same university but in the program of theoretical physics. His Master's thesis was on black holes, one of the most mysterious objects in the universe. Vojtech observed how matter circulates and falls down in black holes. Of course, he only saw it in his mind because as Vojtech says, imagination is one of the most important things for the study of theoretical physics. Currently he works to connect information from physics, informatics and biology to the new type of artificial neural networks at Masaryk University Brno.

Martin Spurny works as a forensic expert at the Forensic Institute in Brno in the field of digital image and video forensics. He studied at the Department of Computer Science, Palacky University in Olomouc, where his Bachelor's thesis was about graph algorithms. In 2013 Martin received a Master's degree in applied computer science at Thomas Bata University in Zlin. Currently he is a researcher at the Centre for Biomedical Image Analysis at the Faculty of Informatics at Masaryk University Brno. He is focused on forensic science, development, research and, last but not least, learning in the field of digital image and video forensics and processing, object recognition, computer vision etc. Now he tries to understand everything about video processing, especially detection of

video manipulation, which contains detection of mpeg recompression and detection of inconsistency in video files.

Jiří Weiser received both a Bachelor's and Master's degree in Applied Computer Science at the Faculty of Informatics, at Masaryk University Brno. For more than four years he has been a member of the Parallel and Distributed Systems Laboratory. He is in a team working on a verification tool called DIVINE. The tool verifies C and C++ multithreaded programs and guarantees the program is bug-free or provides a trace to a bug if there is any. Currently he is a PhD student and a software engineer at Seznam. His main interest is to connect the power of theory with the needs of the industry. The goal of his work is to provide a trace to a bug so that any ordinary software engineer is able to use that trace and locate the bug within a few minutes. His bachelor thesis was published as an academic paper and he is also co-author of several other academic papers.

Michaela POKLUDOVA is a doctoral student at Masaryk University and IT teacher at a secondary school. In 2010 she received a Master's degree in the field of Electrical Engineering and Communication from Brno University of Technology. She then continued her postgraduate studies at the same faculty. Her dissertation examined the effect of magnetic resonance on tissue culture. During her studies she wrote several articles published in various International Journals and Conferences dealing with this issue. During the second year of her postgraduate studies Michaela went to France on an Erasmus internship. She worked with other students on a project programming robots on solar system. During the third year of her studies Michaela established communication with the University of Minnesota.

Ondřej Herman is currently a doctoral student in the Natural language processing laboratory at Masaryk University, from which he also obtained his graduate and undergraduate degrees in Computer Science. His research interests include artificial intelligence, natural language processing, digital signal processing, imaging and embedded systems in general. His current research is focused on computational diachronic analysis -- study of word sense shift and the trends in word usage in general -- including development of the tools and systems used for it, based on large text corpora obtained from the web. Other endeavors include research and development of medical spectroscopy cameras and methods for enriching endoscopic images with hyperspectral information, designing algorithms and systems for radiation measurement and neutron spectroscopy, which are used for cutting edge research on molten salt reactors, and also gardening. His papers have been published in various conference proceedings including LREC, RASLAN and COLING.

Chi Cong Ha is a PhD student at the Faculty of Informatics, Masaryk University Brno, Czech Republic. He completed his Bachelor's degree in Electrification and Electrical Power Supply at HCMC University of Technology and Education, Vietnam. In 2013, he graduated from Ho Chi Minh City University of Transport in Vietnam with a Master's degree in Control Engineering and Automation. He has been teaching at Ly Tu Trong Technical College in Ho Chi Minh City, Vietnam from 2004 to 2016. He teaches many subjects, including electric engineering, basic electronics, electric in refrigeration and air conditioning systems, basic electric-refrigeration practice... Now he tries to understand everything about informatics and biology in the Biology Laboratory at the Faculty of Informatics at Masaryk University Brno.

Jan Sedlák is currently completing his PhD at Masaryk University Brno. He received his Master's degree in Applied informatics in 2016 and defended his master thesis, which dealt with detection and

recognition of vehicle attributes, for example vehicle make and colour. In the thesis, he compared various algorithms of machine learning, including Deep Learning, Random forest, SVM and MLMVN. The results were implemented into a system and are now used in practice. His main field of study is machine learning and image processing. He is developing systems which detects various traffic situations using machine learning. One of his works dealt with detection of traffic jams from publicly available traffic images from the Czech Republic, which were originally used as overview camera images. The systems are used in real life and they help users with route planning and also calming traffic. Currently he is working on enhancing the algorithm for vehicle make recognition.

Researcher Lukas Smiga is a PhD student and member of the Lasaris Laboratory at the Faculty of Informatics, Masaryk University Brno. During and after his graduation he spent over 16 years with varying competencies involved in commercial scale computer software design and delivery, until his return to academic and computer science fields. His main research goal is to devise a standard method for building massively scalable event-driven cloud architecture supporting business process management software platform. In his approach Smiga is utilising emerging cloud concepts like event driven computing, the RESTfull principle and microservice architecture to implement requirements and practices of business process management in a scalable and holistic approach. His other long-term on-going academic activities include lecturing Communication & Soft Skills and Business Process Management courses.

Matej Hajnal received both his Bachelor's and Master's degree in Applied Computer Science at the Faculty of Informatics, Masaryk University Brno in the field of Bioinformatics. During his studies, he edited Mathematics textbook for informatics and started tutoring these courses. His Bachelor thesis was a collaboration with the CEITEC biology group and solves the bioinformatic problem facing analysis of next-generation sequencing data for gene expression changes analysis. He has been a member of Laboratory SYBILA FI MUNI since 2013. He is currently a doctoral student and continues work on his master thesis, which was published in *HSB (Hybrid Systems Biology)* this year. At present Matej focuses on formal methods for modelling of signalling pathways and for these purposes collaborates with biology groups at the Faculty of Medicine. This work is a preliminary study for efficient drugs development. In his free time, he studies evolution biology with emphasis on the work of Richard Dawkins.

Summary of feedback

- A strong batch of bio notes, which all giving a flavour of your research interests, experience and abilities, both professional and academic. For me, those that worked best used storytelling to make connections between professional and/or earlier research and recent academic endeavours. This helps create a cohesive, persuasive and logical story about your career.
- Introductions: Again the best bio notes started with a clear description, e.g. 'Jan Novak is a researcher, lecturer and author in the field of biometrics etc....'. Beginning simply with a chronological listing of your degrees is less effective because it lists your lowest qualifications first – as many people have a Bachelor's degree this is not the best way to stand out from the crowd.
- See my edits to use of articles and prepositions throughout.
- Choice of verbs: Avoid simple verbs such as 'do', 'got' or 'see' as these can sound quite informal. Instead choose verbs that are descriptive, formal and authoritative, e.g. instead of 'did research' *carried out/conducted/completed/initiated*; instead of 'got a Bachelor's degree', *gained/obtained*; instead of 'see', *observe/study/examine* etc.
- Alternating use of name and pronoun: In written English it is a convention to vary using the subject's name with the relevant pronoun (e.g. he/his she/her etc). Don't only mention the

subject (in this case your name) once at the beginning of your bio note, as repeated consecutive use of 'he/his' etc can sound repetitive. See in the bio notes above how I have introduced your name later in the text. (Note: For more senior academics (especially Profs but also perhaps people with substantial industry experience) it is more common to use academic titles and/or surnames.)

- 'Now': This is grammatically correct but more formal would be *At present* or *currently*.
- 'Try': In an academic context 'try' is too informal and also suggests the possibility of failure ('he tried but failed'). As academics you want to avoid this kind of professionally damaging suggestion. Instead of 'Now he is trying to understand...', I'd suggest several possible alternatives: *At present he is working/seeking to understand/uncover/discover/describe...;* or simply *She is currently investigating/examining/exploring...*
- UK vs. US English: Note that subtle differences in spelling and usage exist between American and British English (e.g. colour vs. color). You can use either spelling but be consistent (i.e. don't use both spellings in the same piece of writing). When considering which spelling to use, ask yourself where the discourse in your subject area is happening. What are the most important journals and where are they published?