



Expression of supervisor's interest to host Marie Skłodowska-Curie Individual Fellows at the University of Ljubljana (UL)

Dr. Veljko Pejovic from University of Ljubljana is searching for a top-class experienced researcher of any nationality interested in developing collaborative MSCA IF application for the following EU Framework Programme for Research and Innovation **Horizon 2020** actions:

- Marie Skłodowska-Curie Individual Fellowships – European (MSCA-IF-2016-EF)
- Marie Skłodowska-Curie Individual Fellowships – Global (MSCA-IF-2016-GF)

Call H2020-MSCA-IF-2016

Planned opening date: 12 April 2016

Deadline: 14 September 2016

More info [H2020-MSCA-IF-2016](#)

ELIGIBILITY CRITERIA FOR MSC FELLOWS

- The researcher must, at the deadline for the submission of proposals, be in possession of a doctoral degree or have at least four years of full-time equivalent research experience. The researcher may be of any nationality.
- Mobility rule: the researcher must not have resided or carried out his/her main activity (work, studies) in the country of the host organisation for more than 12 months in the 3 years immediately prior to the deadline for submission of proposals.

OPPORTUNITIES FOR POTENTIAL CANDIDATES – RESEARCHER'S CAREER DEVELOPMENT

The goal of MSCA Individual Fellowships is to enhance the creative and innovative potential of experienced researchers (post-doctoral or with 4 years of equivalent research experience) wishing to diversify their individual competence in terms of skill acquisition through advanced training, international and intersectoral mobility. The researcher and supervisor will develop the application jointly. The project proposals will be submitted by the host organization. If the application will be successful, the IF researcher will be recruited under an employment contract with a monthly salary of 4.650 €* coefficient of the country where the researcher is hosted (living allowance) + 600 € (mobility allowance) + 500 € (family allowance) per month. More information may be found [here](#).

University of Ljubljana offers stimulating environment for postdoctoral research providing modern core facilities in a supported environment with on-the-job training and supervision. In addition, postdoctoral researchers will have access to the generic and transferable skills trainings, they will have the possibility to be involved in educational process and if suitable, they will be seconded to industry all with the purpose for further development of their careers in the academic and non-academic sector.

Researchers who wish to cooperate with UL for the submission of a project proposal under the aforementioned Actions should check that they fulfil the respective eligibility criteria and then send an expression of interest, consisting of a CV and a two-page summary presentation of their research proposal by **18 March 2016**. Proposals will be pre-selected based on internal evaluation and the availability of suitable supervision. Candidates will be informed of the results of the pre-selection by 25 March 2016.

Selected candidates will be invited to meet the supervisor and visit the research environment of the university within the 2-day MSCA-IF proposal writing workshop in Ljubljana organised by the UL at the end of May 2016.

UNIVERSITY OF LJUBLJANA

University of Ljubljana (Univerza v Ljubljani, UL) was founded in 1919 and is the oldest and largest higher education and scientific research institution in Slovenia. It encompasses 23 faculties and 3 art academies and has more than 40.000 undergraduate and postgraduate students and approximately 5.600 employees. UL is listed amongst the **top 500 universities** in the world according to the ARWU Shanghai, Times THES-QS and WEBOMETRICS rankings. UL is very active in national and international R&D and educational programmes, and creates almost half of the research results of Slovenia. In the period 2007-2013 UL cooperated in **745 EU projects**, including **163 FP7 projects**, which places UL on the first place among the organisations in the EU 13 member states. The University of Ljubljana has close ties with many excellent Slovenian and foreign companies. In May 2015, UL founded the Slovenian Innovation Hub, which will operate mainly as a facilitator and promoter of development and research teams in the academic and business sphere. UL is also founder of the University incubator, the Institute for Research and Innovation, and very recently the SMUL network - a global alumni and associates network. From 2008 UL is committed to respect the principles of the European Charter for Researchers and the Code of Conduct for Recruitment of Researchers, which led to the EC given UL the right to use the logo '*HR Excellence in Research*' in 2013.

PROFILE OF THE SUPERVISOR

NAME OF THE SUPERVISOR: Veljko Pejovic

MAIN RESEARCH FIELD: Mobile Computing

E-MAIL address: Veljko.Pejovic@fri.uni-lj.si

LINK to SUPERVISOR's CV: http://lrs.fri.uni-lj.si/Veljko/docs/veljko_pejovic_cv.pdf

DESCRIPTION OF THE SUPERVISOR



Dr Veljko Pejovic obtained his PhD in Computer Science from The University of California Santa Barbara, USA, where he worked on resource-efficient mobile and wireless technologies for developing regions. For his work on investigating the Internet access in rural sub-Saharan Africa, he was awarded James Kline fellowship, while the results of his on-site investigation in rural Zambia served as a basis for successful Bill and Melinda Gates Foundation and NSF grant proposals. After his PhD studies, Dr Pejovic worked as a research fellow at the University of Birmingham, UK, collaborating with academics from the University of Cambridge, University of Southampton and University College London on developing a behavioural change intervention framework for smartphones. His work on harnessing mobile sensors for inferring the best moments to deliver smartphone notifications earned the best paper nomination at the Ubicomp'14 conference. He co-advised five MS students (two in progress), and is co-advising one PhD student. Dr Pejovic worked as a visiting researcher, and maintains strong collaboration ties with the University of Cambridge, University of Edinburgh, University College Cork, and the Council for Scientific and Industrial Research, South Africa.

RESEARCH FIELD OF THE SUPERVISOR

Main research field: Mobile Computing

Sub-fields: Mobile Sensing, Ubiquitous Computing, Wireless Networks, Human-Computer Interaction, ICT for Development

RECENT TRACK-RECORD and other SIGNIFICANT ACHIEVEMENTS

A. Mehrotra, V. Pejovic, J. Vermeulen, M. Musolesi, and R. Hendley, "My Phone and Me: Understanding People's Receptivity to Mobile Notifications", CHI'16, San Jose, CA, USA, May 2016.

V. Pejovic and M. Musolesi, "Anticipatory Mobile Computing: A Survey of the State of the Art and Research Challenges", ACM Computing Surveys (CSUR) 47.3 (2015)

A. Mehrotra, M. Musolesi, R. Hendley and V. Pejovic, "Designing Content-driven Intelligent Notification Mechanisms for Mobile Applications", UbiComp'15, Osaka, Japan, September 2015.

V. Pejovic and M. Musolesi, "InterruptMe: Designing Intelligent Prompting Mechanisms for Pervasive Applications", UbiComp'14, Seattle, WA, USA, September 2014. **Best paper nominee (4% top submissions).**

N. Lathia, V. Pejovic, K. Rachuri, C. Mascolo, M. Musolesi and P. J. Rentfrow, "Smartphones for Large-scale Behaviour Change Interventions", IEEE Pervasive Computing 12(3), July 2013.

FACULTY/DEPARTMENT/LABORATORY

Faculty of Computer and Information Science (FRI), University of Ljubljana, with around 1155 bachelor and 180 master and PhD students, 158 research and teaching staff members, represents the largest computer science faculty in the country. FRI provides advanced research and teaching in mobile computing, machine learning, software engineering, computer networking, and theoretical computer science. Research highlights include scientific articles in journals from Nature, Science, IEEE and ACM transaction groups, scientific software, such as the popular machine learning software Orange, and awards from top computing challenges, such as Data for Development. The research Laboratory for Computer Structures and Systems, which Dr Pejovic is a part of, consists of two full professors and three assistant professors, and a number of PhD students. The lab is active in the fields of mobile computing, study of reliability, cooperativeness and performance of computer systems, as well as the study of alternative approaches to decision making (multi-valued, probabilistic, and fuzzy logic).

RESEARCH INFRASTRUCTURE

FRI's twenty research labs are located in a state-of-the-art building opened in 2014, which itself remains the largest investment in the history of the University of Ljubljana, and the largest project co-funded by the European Union in Slovenia. Labs and individual researchers have access to a shared server cluster, and a high-speed network. Available is also specialised wireless equipment, such as sensor motes and software-defined radio nodes. Further, Dr Pejovic's lab has a number of Android smartphones to be used in the fellow's research work. In addition, FRI has its own well-equipped library subscribed to all major journals relevant for the fields of mobile and ubiquitous computing.

ACADEMIC AND NON-ACADEMIC COLLABORATION

Dr Pejovic is working in a highly interdisciplinary domain at the intersection of computer science, human-computer interaction and, technology and society. His project on behavioural change interventions delivered via mobile phones had him collaborate with both computer scientists from University of Cambridge (now working at Samsung Research) and the University of Southampton, as well as psychologists from the University of Southampton and the University College London. The resulting work from the project, the mobile interruptibility management library, attracted interest from commercial companies, such as Telefonica Research, with whom Dr Pejovic has close contacts with potential secondment opportunities for the MSC fellow. In addition, Dr Pejovic has active collaboration links with academic institutions, in particular University College London and the University of Cambridge. Finally, Dr Pejovic has good links with major Slovenian IT companies and the local startup scene, with a potential for secondment, primarily in the area of mobile and ubiquitous computing for healthcare.

SPECIFIC REQUIREMENTS/PREFERENCES

The fellow should have a good command of both written and spoken English, and should have a PhD degree in computer science or a related field. In addition, the fellow should have experience with mobile programming (in Android or iOS), and be proficient in Linux OS. Preferably, the candidate should have a strong background in machine learning. Ideally, the candidate should also have experience in designing and running user studies, and data analysis. The candidate should be trained in the scientific methodology, be thorough and rigorous in her/his academic research. Finally, the candidate should be highly self-motivated and ready to pursue her/his research agenda, while at the same time being critical of their own work.

OTHER

Dr Pejovic's long-term research agenda is focused on anticipatory mobile computing, i.e. using mobile sensing to model the evolution of the user's context, predict the context, and proactively action upon the predictions. The applications range from personal assistance, akin to Google Now, to proactive healthcare. Particular challenges are associated with modelling the context evolution and the interaction with the user. To tackle the former, we are looking into the use of probabilistic programming in symbiosis with mobile sensing. For the latter, understanding the ability and the readiness of the user to receive a piece of information is crucial, and we are investigating the role of the context, task engagement and the user's personality on the way they handle mobile notifications. The prospective MSC fellow is welcome to work in the above outlined areas, or propose her/his own research project related to the above research agenda.