Call for expression of interest

Marie Sklodowska-Curie Postdoctoral Fellowship

(MSCA-PF-2022)

The University of Split hereby welcomes expressions of interest from excellent researchers who intend to apply for MSCA PF 2022. MSCA applicants will have the opportunity to work as a part of our research groups and they will receive mentoring from the UNIST supervisor and administrative support from the Science Office.

The University of Split, as an HRS4R award holder, supports excellence in research and innovation through the implementation of HR Strategy for Excellence in Research and endorsement of the Charter of Code for Researchers and ALLEA. The University has a long record of experience in implementation and supporting the implementation of projects co-financed from the European Social Fund and the European Regional Development Fund, as well as European Union programs: Horizon 2020, Erasmus+ (Key Activities 2 and 3), Interreg, EuropeAid, etc. At the moment, there we have 120 ongoing projects, either funded from national sources, such as the Croatian Science Foundation and the Ministry of Science and Education, or EU programs and funds. For several years now, the University of Split is continuously taking part in academic ranking, and it accomplishes high results both on a national and international level. As Times Higher Education Impact Ranking results for 2021 show, the University of Split, as the only Croatian university on the list, was ranked for 10 out of the total 17 United Nations Sustainable Development Goals. As a confirmation of the University's dedication to Open Science principles, in 2020, as a part of the U-multirank World University Ranking, it has been ranked as one of the Top 25 Performing Universities in Open Access Publications.

At the University of Split, there are more than 19,000 students, along with 800 foreign and exchange students, enrolled across 81 undergraduate, 87 graduate, 5 postgraduate vocational, and 21 doctoral programs. The degree programs are designed in a way to facilitate job market entry for our students and to encourage them to take part in life-long learning activities.

Supervisor's profile:

Science field:	Information/computer science
Supervisor:	Hrvoje Kalinić, PhD, Associate Professor
Research keyword:	neutral networks, artificial intelligence, manifold learning, heat kernel, similarity measure
Supervisor's CV	Hrvoje Kalinić, PhD, Associate Professor
ORCID number:	0000-0002-8567-851X
Research ID:	E-9532-2017

Google Scholar ID:	https://scholar.google.com/citations?user=Stus52QAAAAJ
Personal web-page link:	https://mapmf.pmfst.unist.hr/~hkalinic/bio.html

Computer Intelligence Research Group – Department of Computer Science (Faculty of Science)

The development of science and technics in applying computers has become an integral part of most human activities. The aim of study programs, conducted at the Department of Computer Science, is to train young experts to actively participate in educating new generations, as well as to develop and apply information and communication technologies. Along with undergraduate and graduate programs in computer science offered at the Department of Computer Science, the Faculty of Science runs a postgraduate study program Education Research in the Natural and Technical Sciences, which due to the applied interdisciplinary approach creates teachers who are competent information scientists and vice versa.

Department's teaching personnel cooperates with, Technical Culture Educators Association, and jointly organizes specialization courses for elementary school teachers in the field of computer science.

Computer Intelligence Research Group is focused on data mining, data storage and management, data/signal processing and degradation, sample recognition, and machine learning and system degradation. As a part of its research, Group undertakes in-depth and complex signals and systems analysis, key features and parameters identification, and improved inter-device communication – which proves to be increasingly important in the areas of safety, energy, and health (medicine and bioinformatics).

There are two basic directions of research of the group: (i) sensors and operating systems research direction with an emphasis on applications in energy efficiency and environmental research in extreme conditions such as climate, sea, space and (ii) intelligent solutions development in data collection, sample recognition and machine learning in a wide range of applications such as neural networks, biomedicine, and security.

Supervisor's research area includes:

We develop systems (or parts of systems) that enhance intelligence, data understanding, and interpretation in real-time. Main research revolves around the development of intelligent solutions in data gathering, pattern recognition, and machine learning in a wide spectrum of applications ranging from metagenome to climate. Infrastructure vise, the cuda-capable workstation is available.

Prospective candidates should be in possession of a PhD degree and must not reside in Croatia for more than 12 months in the last 3 years. We are kindly asking you to send your curriculum vitae, along with the *One-page proposal* (available here), directly to the supervisor of your choice, in this case, associate professor Hrvoje Kalinić (hrvoje.kalinic@pmfst.hr) with adding znanost@unist.hr in the e-mail copy. As a subject, please indicate "MSCA_PF_2022_mentoring_candidate name and surname".