

**WORK PROGRAM FOR THE DEANS NOMINATION**  
**Faculty of Mathematics, Natural Sciences and Information Technologies**  
**University of Primorska (UP FAMNIT)**  
**Ademir Hujdurović**

**SHORT PRESENTATION OF THE CANDIDATE**

**Name and surname:** Ademir Hujdurović.

**Date of birth:** March 27th, 1987.

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**Academic/Research career:**

05/2019 – : Associate professor in the field of Mathematics and senior research fellow, UP.

03/2019: Scientific excellence award of UP.

01/2019 – : Member of the research program P1-0404.

11/2018 – : Vice-dean for international cooperation at UP FAMNIT.

06/2018 – : Editor of the international scientific journal *Ars Mathematica Contemporanea*.

09/2017 – 12/2017: Visiting professor at the University of Auckland, Auckland, New Zealand.

09/2014 – 05/2019: Assistant professor in the field of Mathematics and research fellow, UP.

10/2013: Ph.D. in Mathematics, UP FAMNIT.

01/2010 – 12/2018: Member of the research program P1-0285.

01/2010 – 10/2013: Young researcher at UP IAM (supervisor: Prof. Dr. Dragan Marušič)

**Bibliography:**

See <http://izumbib.izum.si/bibliografije/Y20190903100732-32518.html>.

**Scientific achievements::**

Original scientific articles in the journals indexed by SCI Expanded: 24 (A1=5, A2=9, A3=7, A4=3).

Number of pure WoS citations in the last 10 years (2009 - 2019): 35.

**Socio-economically relevant achievements:**

Invited speaker at international scientific conferences: 2.

Bilateral project leader: 3.

Co-organization of international scientific meetings: 10.

Co-mentoring: 1 doctoral dissertation, 1 master's thesis.

Mentoring: 1 final project assignment.

## Work program

Since its foundation, under the leadership of Prof. Dr. Dragan Marušič (2006 - 2011) and Prof. Dr. Klavdija Kutnar (2011 - 2019), UP FAMNIT has become a recognized institution, both in Slovenia and abroad. This claim is supported by the fact that UP is ranked among the top 500 Universities in the world in the field of mathematics on the Shanghai ranking list (see <http://www.shanghairanking.com/Shanghairanking-Subject-Rankings/mathematics.html>). In the next period, we will continue to develop the faculty in the direction set by my predecessor with the help of excellent professional support from support services, the hard work of FAMNIT faculty members, and active student involvement. Below I will briefly describe the main goals for the further development of the faculty.

### Educational activities

Existing undergraduate and master's degree programs will be upgraded with the accreditation of Ph.D. study programs, based on an assessment of interest and financial capabilities (these Ph.D. programs will mostly be implemented at UP IAM in the case of the successful transformation of UP IAM into a doctoral school). In accordance with our financial capabilities, we will try to expand our offer of study programs in English. In this way we will continue with the successful process of obtaining students from abroad, who currently make up one third of all students at UP FAMNIT. Teachers will be encouraged to use modern teaching methods. We will encourage the preparation of university textbooks and other study materials, especially in those subjects for which there is currently no suitable study material. We will update our study programs in accordance with the findings of annual self-evaluations that will be prepared in close collaboration with the local community and, of course, based on feedback from students and graduates. In accordance with our financial capabilities, we will oversee the promotion of the faculty in the Slovenian and international space, including organizing various events for high school students, thus coming into direct contact with potential future students. We will also strive for a more active role in organizing and preparing students for competitions, as this will ensure our visibility with the best students.

We will encourage students to be mobile and strive to attract as many 'incoming' students as possible. In this way we will enrich the experience and knowledge of our students. We will continue to support the participation of our students in domestic and international calls and competitions. In cooperation with UP IAM, we will strive to actively involve students in the research process at the earliest possible stage of their university education.

### Research activities

UP FAMNIT will continue its successful collaboration with UP IAM in the field of research and thus work towards the goal stated in the vision of UP FAMNIT: *UP FAMNIT will try to double the number of scientific publications in international scientific journals, that is, to achieve that all higher education teachers will publish at least one, and on average at least two, scientific publications a year, to increase the share of scientific publications in the most prominent international scientific journals and to achieve the maximum number of publications of scientific monographs in the most reputable international publishing houses.* UP FAMNIT will break through into the world's top institutions in at least one more scientific field, thus enhancing stable sources of funding for research activities. We will encourage employees to actively collaborate in basic, applied and interdisciplinary projects. We will continue to promote collaboration of UP FAMNIT with industry. We will encourage employees to apply for projects funded by the European Research Council (ERC Starting Grants, ERC Consolidator Grants, ERC Advanced Grants and ERC Synergy Grants) with the aim of acquiring at least one ERC project over the next four years.

### International cooperation

Integration into the global university space will remain among the key priorities of UP FAMNIT. In the future, UP FAMNIT will continue with inclusion into international network mobility schemes (Erasmus+, bilateral projects, mobilities based on agreements between universities, Cost actions, etc.). All employees, from the support staff to the lecturers and researchers, will be encouraged to undertake shorter and longer

(research and educational) visits at universities abroad, and to apply to Fulbright scholarships, Erasmus programs, bilateral projects and similar programs.

This year, we are pleased to hear that UP - based on the evaluation of FAMNITs study programs (Mathematics, Computer Science and Informatics and Biology) - has acquired the title of Global Top 25 performers for 2019 on the international university rankings U-Multirank in the field of international orientation of study programs. We will work to retain this title at the next evaluation and at the same time to be ranked among the best universities according to the other evaluation indicators (for example, international co-authorship among lecturers and interdisciplinary publications).

International contacts will be established through the organization of important international conferences and summer schools. In addition to the 8th European Congress of Mathematics (8ECM), which will be organized in 2020 in Portorož, the 32nd World Congress of the International Association for the Suicide Prevention (IASP), to be organized in Piran in 2023, and the traditionally organized scientific events, we will support initiatives to organize other internationally recognized scientific events, thus enhancing the international recognition of the faculty.

### **Space and infrastructure**

UP FAMNIT has significantly improved the spatial and infrastructural conditions for the implementation of educational and research activities over the years, but the working conditions - mainly due to the fire at the Livade 1.0 building - are still not optimal. At the same time, the ground floor of the old Post Office building at Glagoljaška 8 will need to be renovated to provide additional office space for support services and additional lecture rooms. With the aim of reducing rental costs, our goal is also to buy the rest of the building at Kettejeva 1.

Through the successful application of UP to obtain earmarked funds for the purchase of research equipment (notably by the InnoRenew CoE project and earmarked ERDF funding for Livade 1.0), UP FAMNIT has in the last four years acquired top research equipment worth over 3 million euros. It is now our job to make the most of this equipment. This equipment, of course, also requires adequate maintenance, which can only be provided with appropriately increased infrastructural resources.

### **Extracurricular activities**

We will continue to support the extracurricular activities of UP FAMNIT students and encourage employees to socialize with students beyond the classroom. We will support student sports activities. In collaboration with the Student Council we will strive to strengthen the various activities for easier integration of students coming from abroad.

Koper, 19. 9. 2019

Assoc. Prof. Ademir Hujdurović  
UP FAMNIT & UP IAM