University of Zagreb
Faculty of Electrical Engineering and Computing

www.fer.unizg.hr

20,000
STUDENTS GRADUATED (DIPL. ING.)

2,200+
MASTER OF SCIENCE DEGREES

800
DOCTORAL DEGREES

640
FRESHMEN EACH YEAR

3,100
UNDERGRADUATE STUDENTS

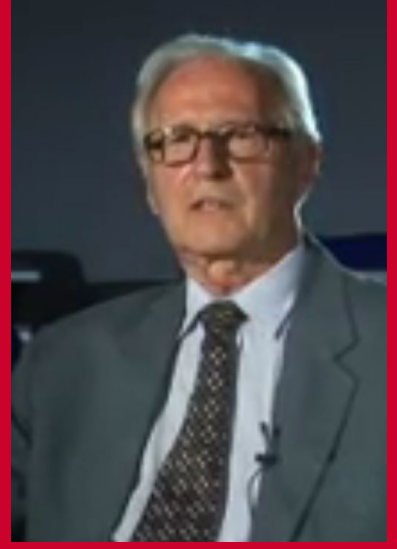
500
POSTGRADUATE STUDENTS

12
DEPARTMENTS

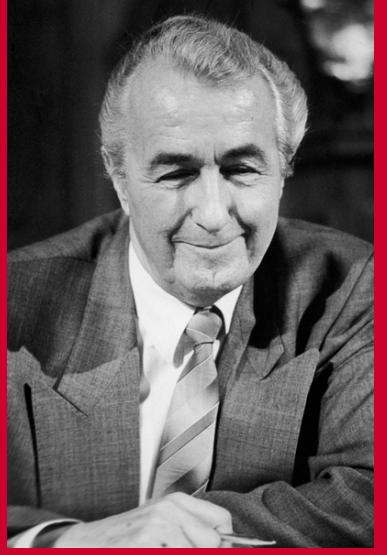
530+
EMPLOYEES

190+
ACADEMIC STAFF

RENOWNED ALUMNI



Uroš Peruško
Minister of Science & Technology,
Croatia, Yugoslavia



Ante Marković
Prime Minister of Croatia
Prime Minister of Yugoslavia

Božo Udovičić
Minister of Industry

Branko Jeren
Minister of Science and Technology
Rector of Zagreb University

Vedran Mornar
Minister of Science,
Education and Sport

Damir Boras
Rector of Zagreb University

DEPARTMENTS OF:

APPLIED MATHEMATICS (1919)
FUNDAMENTALS OF ELECTRICAL ENGINEERING AND MEASUREMENTS (1924)
ELECTRIC MACHINES, DRIVES AND AUTOMATION (1925)
ENERGY AND POWER SYSTEMS (1934)
ELECTRONIC SYSTEMS AND INFORMATION PROCESSING (1942)
ELECTRONICS, MICROELECTRONICS, COMPUTER AND INTELLIGENT SYSTEMS (1943)
APPLIED PHYSICS (1945)
TELECOMMUNICATIONS (1951)
CONTROL AND COMPUTER ENGINEERING (1954)
ELECTROACOUSTICS (1954)
WIRELESS COMMUNICATIONS (1954)
APPLIED COMPUTING (2005)

Doctoral Programs

Electrical Engineering and Computing

Specialist Programs

- Electronic Communications Market Regulation
- Information Security
- Transformers
- Electrical Engineering Systems in Railways
- Project Management

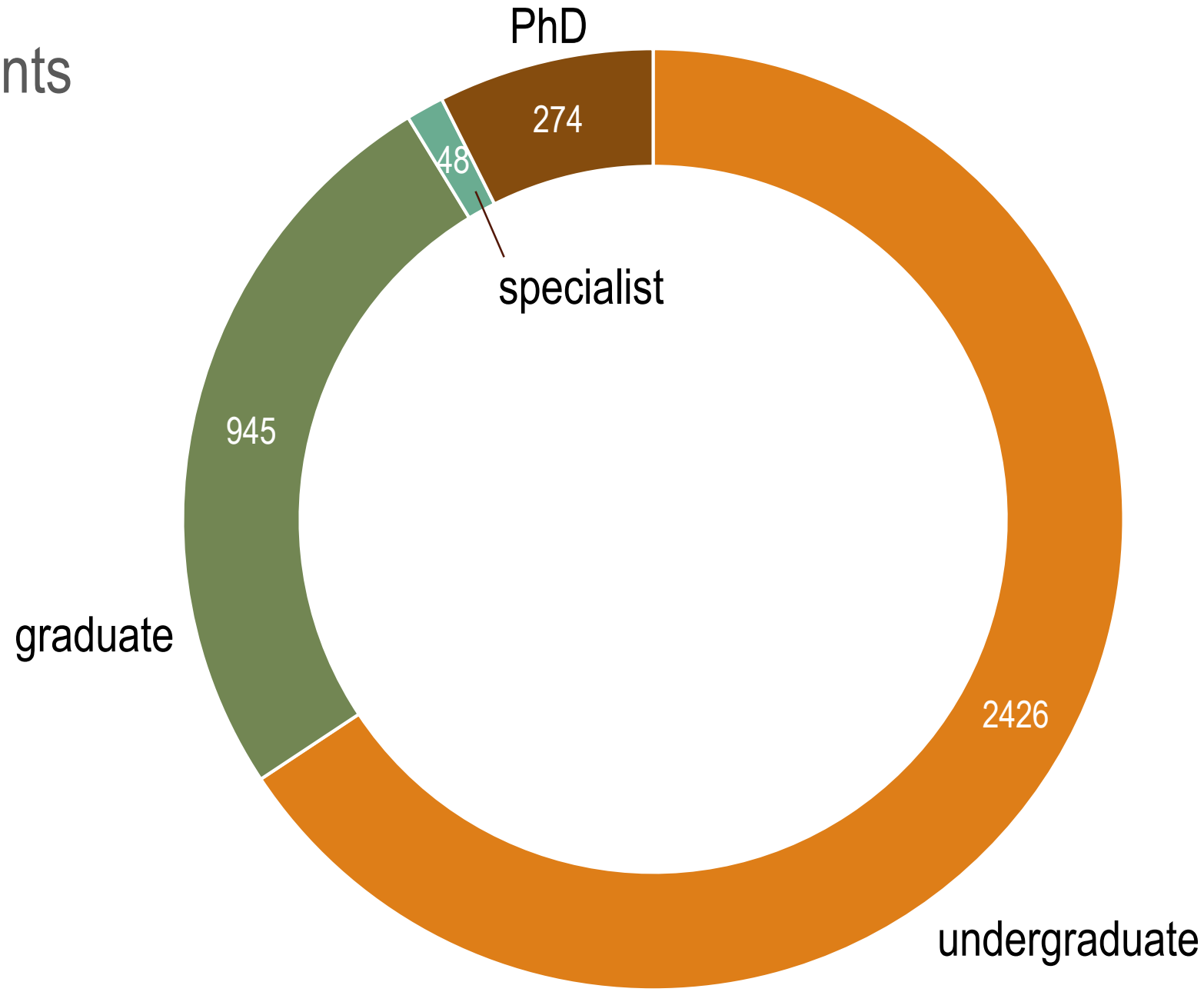
Master Programs

- Electrical Engineering and Information Technology
- Information and Communication Technology
- Computing

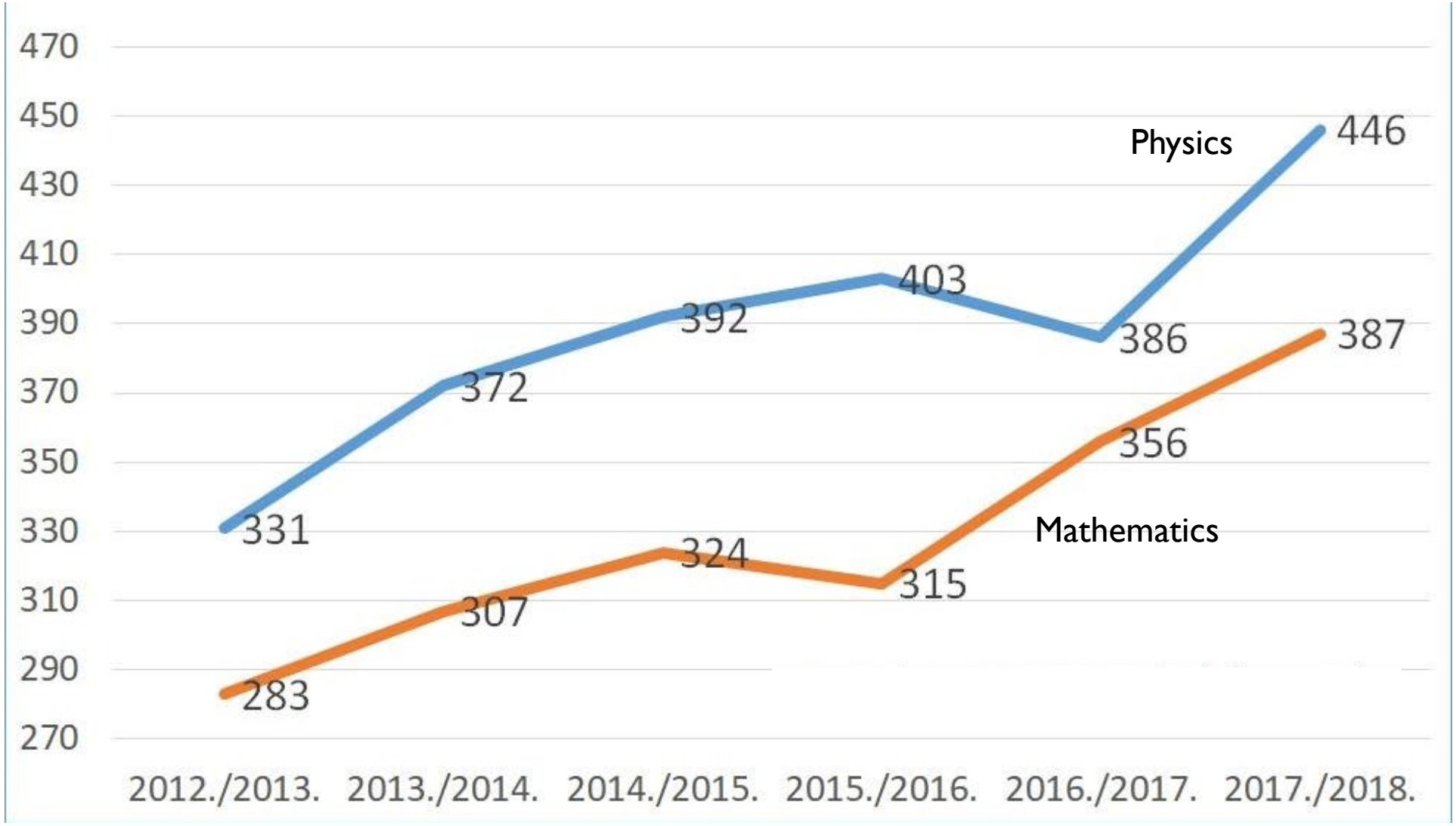
Bachelor Programs

- Electrical Engineering and Information Technology
- Computing

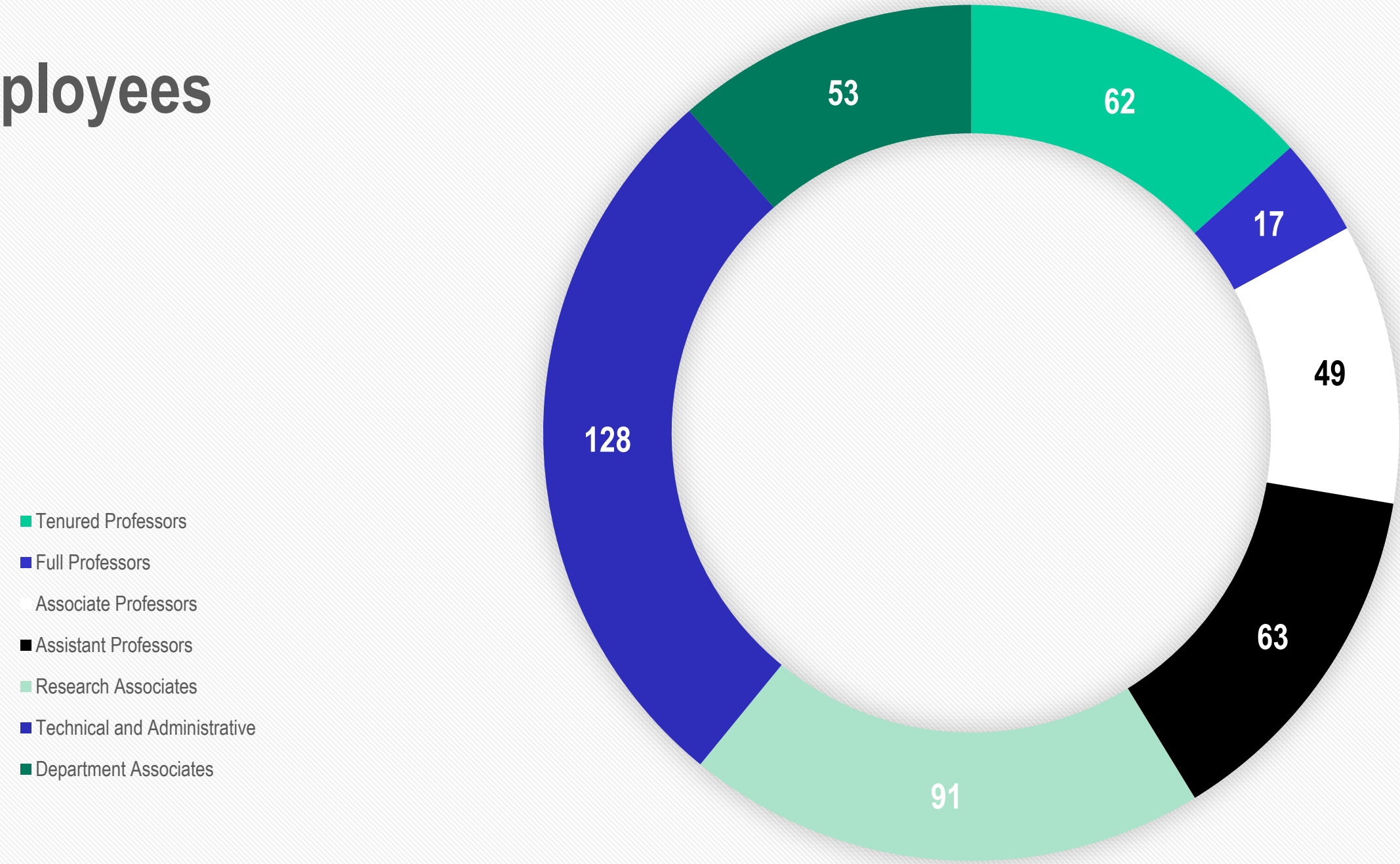
Students



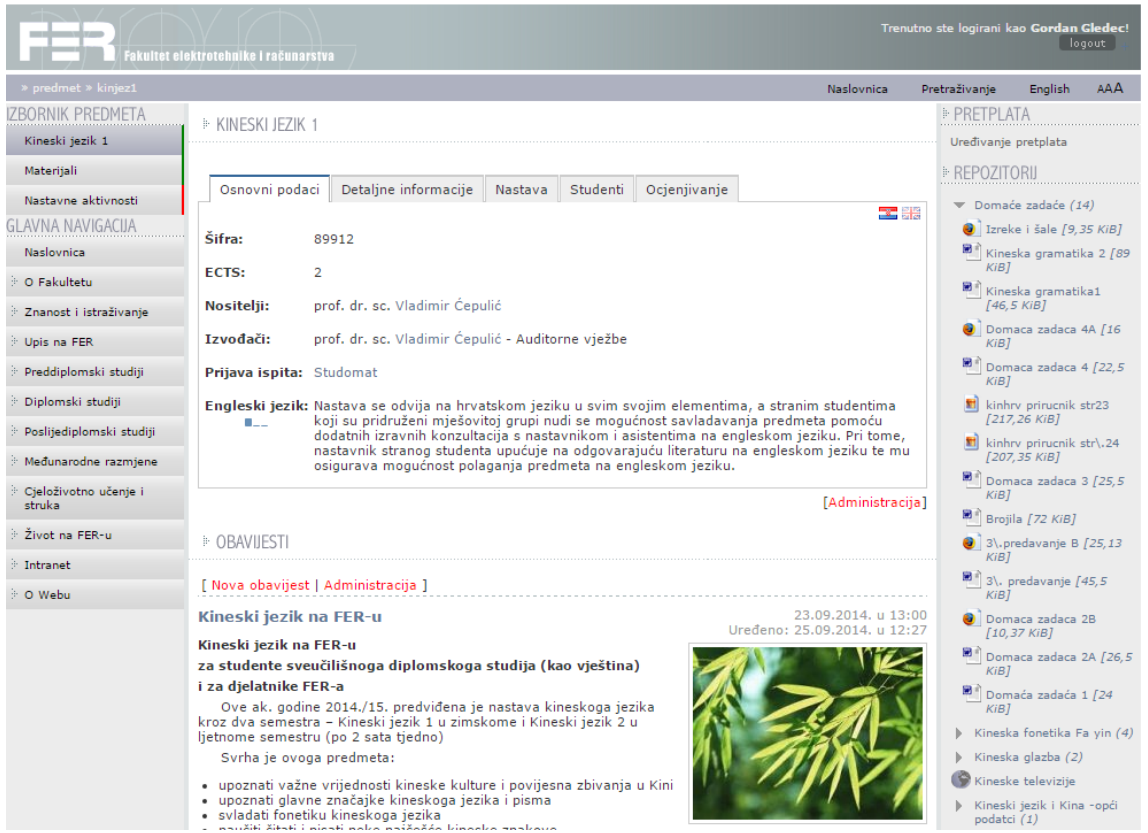
Number of freshmen enrolled to FER from 1000 best applicants on State Exam in Mathematics and Physics

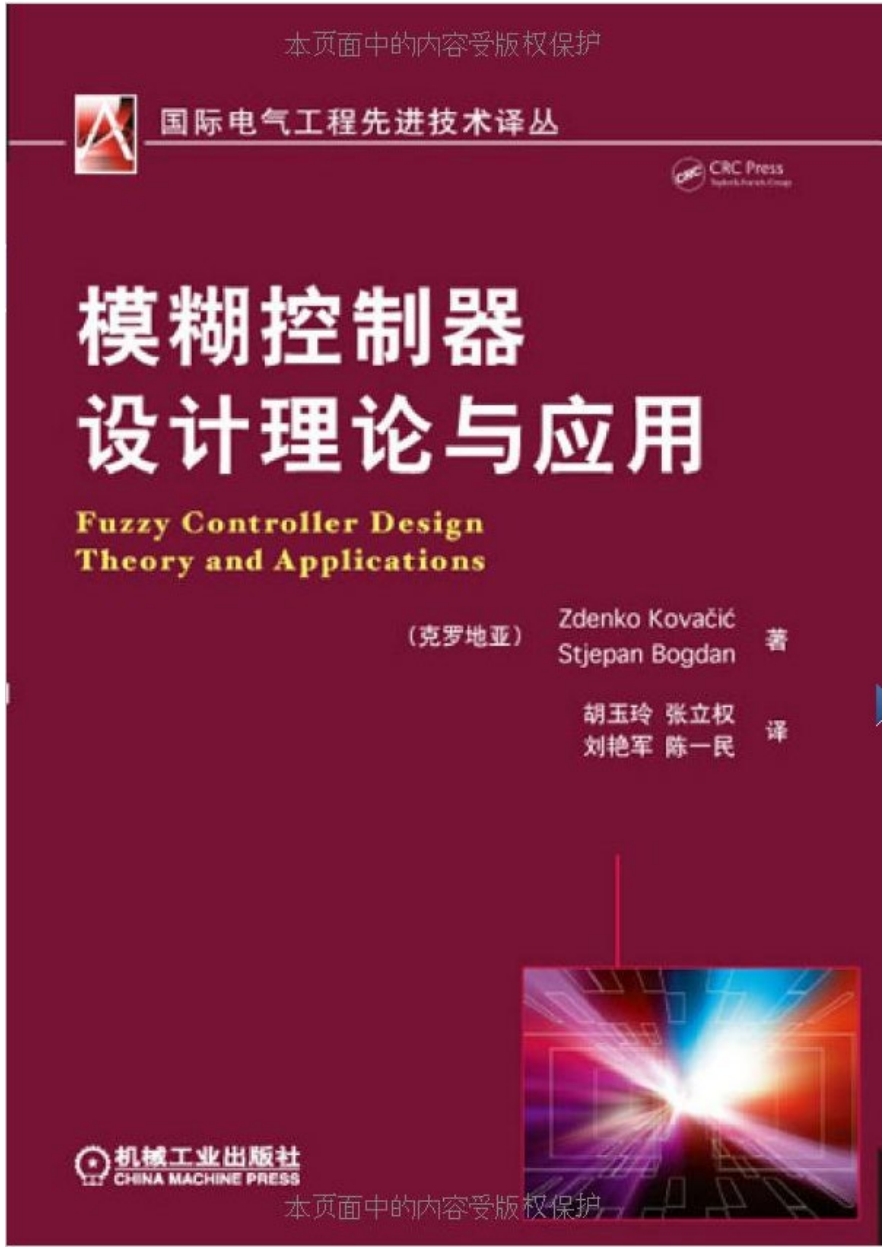


Employees


53
62
17
49
128
63
91
Tenured Professors
Full Professors
Associate Professors
Assistant Professors
Research Associates
Technical and Administrative
Department Associates

Courses „Chinese language 1” and „Chinese language 2” offered as skills to 1st year students of all Master Programs





Professors Zdenko Kovačić and Stjepan Bogdan published their book „Fuzzy Controller Design Theory and Applications" in Chinese in 2010.

120 total projects (44 international)

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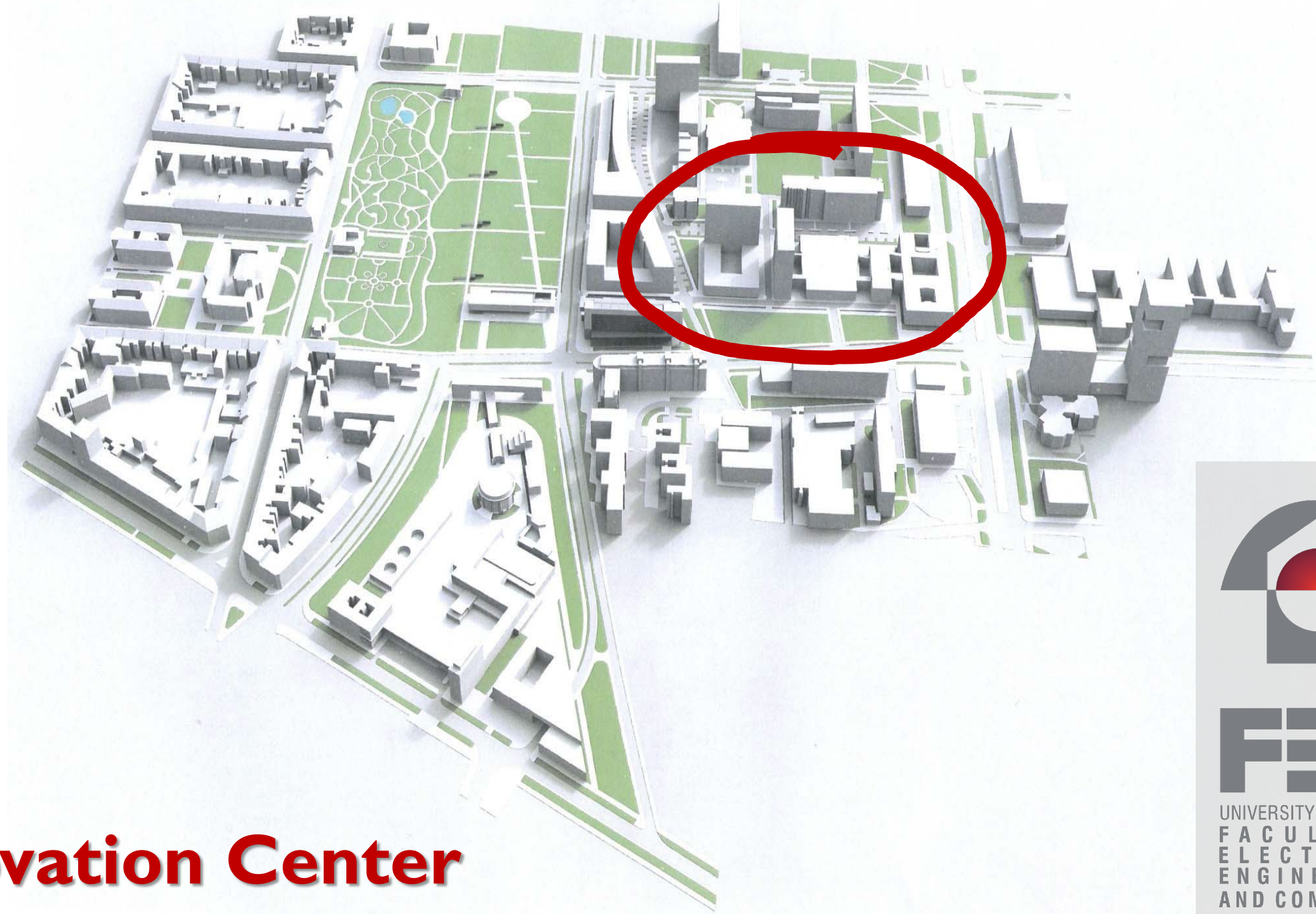
17 Horizon 2020 projects

62 projects funded by Croatian Sience Foundation

7 bilateral projects



Innovation Center

UNIVERSITY OF ZAGREB
FACULTY OF ELECTRICAL ENGINEERING AND COMPUTING

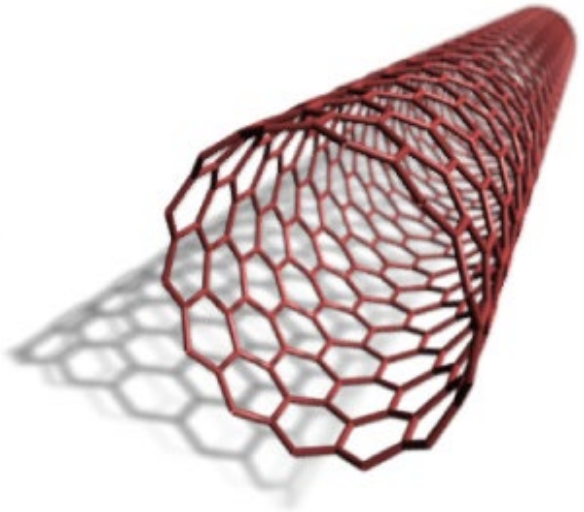
Energy

ICT

Biomedical Engineering

Transportation Systems

Robotics



Technology of Advanced Components

Cooperation with China

Harbin Institute of Technology

Tsinghua University

China University of Mining & Technology
Huazhong University of Science and Technology
North China Electric Power University

Key Laboratory of Medical Instrumentation &
Pharmaceutical Technology, Fuzhou University

Chinese Academy of Sciences
Shenzhen Institutes of Advanced Technology (SIAT)

UNIVERSITY OF ZAGREB
FACULTY OF
ELECTRICAL
ENGINEERING
AND COMPUTING

Finished faculty's projects with partners from China

Research of Intrabody Communication for Body Area Networks / 体域网中人体通信技术研究
Prof. Mario Cifrek

Research on the Pivotal Technology of the Novel Linear Generator System for Oceanic Tidal and Wave Energy Generate Electricity / 海洋潮汐和波浪发电中新型直线电机的关键技术研究
Prof. Nedjeljko Perić

Research on the full digital control system of the novel Switched Reluctance servo motor drive / 新型开关磁阻伺服电机的全数字控制系统研制
Prof. Nedjeljko Perić

Networked autonomous system coordination, control and application / 自主式网络系统的协作、控制与应用
Prof. Stjepan Bogdan

Fuzzy Knowledge Representation and Reasoning for Multi-agent Systems / 多主体系统中模糊知识的表达、解释
Prof. Slobodan Ribarić

Fuzzy Spatio-temporal Knowledge Representation and Reasoning in the Semantic Web / 语意网中模糊时空知识的表达和解释
Prof. Slobodan Ribarić

Finished faculty's projects with partners from China

Cardiovascular Health Informatics: Unobtrusive Sensing and Information Integration for the Tele-Monitoring of Patients 心血管健康信息学：病人远程监护系统中的泛在式传感和信息解释技术
Prof. Ratko Magjarević

Single shoot structured light 3D reconstruction / 单拍结构光的三维重建
Prof.Tomislav Pribanić

Soundscape as a heritage-how inportant is it? Evaluation of soundscape in China and Croatia / 中国与克罗地亚的音景评估
Prof. Kristian Jambrošić

Coordination Control of Multi-Agent Systems / 多主体系统的协同控制
Prof. Stjepan Bogdan

Instigation of Research and Innovation Partnership on Renewable Energy, Energy Efficiency and Sustainable, Energy Solutions for Cities 城市可再生能源、能源效率和可持续，能源方案的研究和创新
Prof. Igor Kuzle

Current faculty's projects with partners from China (since December 2017)

Flexible Urban sysTems in mUlti-energy Environment - FUTURE
Tomislav Capuder / Ning Zhang, Tsinghua University

WIND ASP - Impact of wind power plants unpredictability on ancillary services provision
Igor Kuzle / Liu Yongqian, North China Electric Power University

Body area networks for health applications based on intrabody communication
Željka Lučev Vasić / Gao Yueming, Fuzhou University

CC-MARS: China-Croatia Collaboration on MArine Robotic Systems
Nikola Mišković / Xiang Xianbo, Huazhong University of Science and Technology