



# FACULTY OF COMPUTER SCIENCE AND ENGINEERING



Ss. Cyril and Methodius University in Skopje



**Dean**  
**Assoc. Prof. Dr. Ivan Chorbev**

*Professor Ivan Chorbev was born in 1980 in Ohrid. He earned his bachelor and master degrees at the Faculty of Electrical Engineering in Skopje in 2004 and 2006. He completed his PhD studies at the Faculty of Electrical Engineering and Information Technologies in Skopje in 2009. During his studies he has been continually awarded for excellent performance. As the best student of his generation he has been awarded by the Faculty, University Ss. Cyril and Methodius and other organizations and foundations, including the Organization of Engineers of Macedonia that awarded him the “Golden engineering ring”.*

*He gained his first professional experience at the Macedonian Telekom – T-Home, at the department for software and web development, during the period 2003-2005. He started working at the Institute for Computer Science and Engineering in the Faculty for Electrical Engineering in Skopje in 2005. In 2009, after completing his doctoral studies, he became an assistant professor. His teaching commitments included lectures in Structured Programming, Object-oriented programming, Programming Methodologies, Web Design, Computer Graphics, Computer Animation etc.*

*In his research work up until 2017 he has participated in more than 85 scientific papers in books, journals and conference proceedings. The fields of his research interests include combinatorial optimization, heuristic algorithms, constraint programming, web development technologies, software testing, application of computer science in medicine and telemedicine, medical expert systems, knowledge extraction, machine learning, assistive technologies.*

*As an IT consultant he has been involved in analysis and development of several Enterprise Resource Planning (ERP) systems, University Information Systems, Web Content Management Systems, Document Management Systems, Online payment systems, banking applications. He has participated as an IT consultant in projects financed by the European Union (TEMPUS, FP6, FP7, Erasmus, H2020), non-government organizations, etc.*

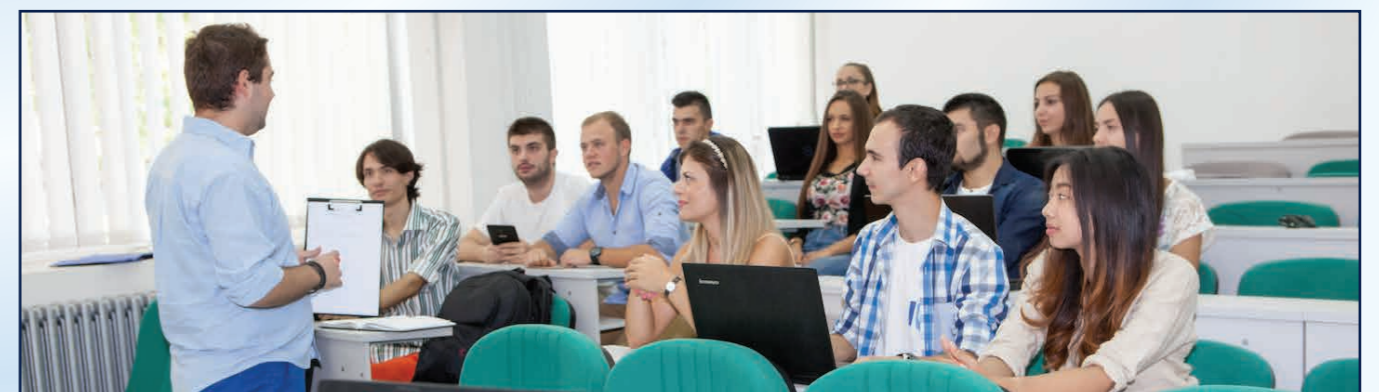


The Faculty of Computer Science and Engineering is the result of the unification of the two largest institutions in the field of informatics and computer science and technologies in the Republic of Macedonia – the Institute of Informatics at the Faculty of Natural Sciences and Mathematics and the Institute of Computer Technics and Informatics at the Faculty of Electrical Engineering and Information Technologies.



In the given form, the two institutes are working since the eighties of the last century. The Institute of Informatics started to operate in the distant 1985 as an equitable integral whole of the reunited Faculty of Natural Sciences and Mathematics under the name Institute of Informatics. The Institute of Computer Technics and Informatics originates from the Cathedrae of Technical Cybernetics. In was promoted to the level of a Department in 1982 and then grew into an Institute.

As a result of the extraordinary efforts of their members, and in trend with the global growth of the informatics field, this period of nearly 30 years was followed by a continuous growth of the scientific and technical capability of these two institutes. The constantly increasing student interest in this field and the development of the two institutes, have led them to become the most prominent at their respective faculties, and to serve nearly 50% of the students.





Throughout the period of development, there were many joint projects and research activities, both on a personal level, as well as on an institutional level. Both institutes were in a constant race to improve the quality of the studies, the scientific research and the applications. This race resulted in one final unifying factor - significant development and growth of informatics in Macedonia and formation of an extremely strong community of teachers focused on informatics. Since 2011 they formally began to walk the path together as the strongest and most advanced scientific research and educational institution in Macedonia in the field of computer science – the Faculty of Computer Science and Engineering (FSCE).



**The faculty offers the following study programs:**

**Undergraduate study programs:** Computer Science and Engineering (courses offered in Macedonian and in English language), Computer Networks Technologies, Applied E-Technologies, Education of Informatics, Informatics and Computer Engineering, Academic Informatics Studies.

**Master study programs:** Statistics and Actuarial Mathematics, System on chip TEMPUS, Ecoinformatics TEMPUS, Bioinformatics, Content-based Retrieval, Intelligent Information Systems, Computer Networks and E-technologies, Software Engineering TEMPUS, Software Engineering, Coding and Cryptography, Computer Sciences, Intelligent Systems Engineering.



**Phd study programs:** Computer Science and Engineering and Informatics.

The faculty has many well equipped laboratories, which meet the current regulations for practical and theoretical education: High Performance and Grid Computing Center, Grid, Parallel and Distributed Processing Laboratory, Advanced Web Technologies Laboratory, System on Chip Design Laboratory, Laboratory for Internet and Innovative Technologies, Intelligent Robotics Laboratory, Laboratory for Mobile and Pervasive Semantic Experience, Software Engineering Laboratory, Information Systems, Multimedia and Visualization Laboratory, Laboratory for Mobile and Multimedia (Ubiquitous) Applications, SMART Center: The Classroom of the 21st Century, CISCO Computer Networks Laboratory, CUDA Teaching Center by NVIDIA, FORTINET Network Security Laboratory, NOKIA Research Center, Social Innovation HUB (supported by UNDP) and Laboratory of Intelligent Systems.

The policy of the Faculty of Computer Science and Engineering that encourages open collaboration with the academia and the industry makes the FSCE very agile for implementing different project ideas. The FCSE takes part in many international and national research projects. The staff and the students of the FCSE constantly win awards on different international competitions.



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