

## Curriculum Vitae

Zoran Markov is born on June 23<sup>rd</sup>, 1975 in Skopje. He finished high school in 1993 as one of the best students and enrolled at the Faculty of Mechanical Engineering in Skopje. He graduated at the Hydraulic Engineering and Automation Department on April 16<sup>th</sup>, 1998 with an average grade of 9.70, presenting the diploma-thesis "Optimal techno-economical design of rated power and equipment layout in a small hydropower plant".

He entered the energy related postgraduate studies at the same Department in 1998. He successfully presented his Master's thesis named "Modeling and analysis of the flow around a single hydrofoil and through an axial runner in cavitation conditions" on July 19<sup>th</sup>, 2001, and got his Ph.D. degree on September 7<sup>th</sup> 2007 at the Faculty of Mechanical Engineering at the Ss. Cyril and Methodius University in Skopje.

He is employed at the Hydraulic Engineering and Automation Department since 1999 as a research and teaching assistant, from 2007 as an assistant professor, from 2012 as an associate professor and since 2017 as a professor at the same Department. During the five year studies, he has received honors for excellent results in every academic year and finally, the honor as a best graduated student of the class of 1998. He also received a scholarship from the Slovenian Scientific Foundation (Slovenska Znanstvena Fondacija - SZF) for his visit at the Turboinstitute-Ljubljana in 2001.

From October 2010 to April 2011 is a Visiting Fulbright Scholar at the Department of Aerospace Engineering of The Pennsylvania State University working on a project "Advanced Numerical and Experimental Techniques in Turbomachinery".

As a postgraduate student and as a member of the Faculty, he's an author or co-author several scientific and professional papers and has been involved in several scientific and research projects.

He had several study visits to Turboinstitut - Ljubljana (two months in 2001, and two more in 2004 and 2005) related to the Master's thesis and several months at different occasions from 2005 to 2007 regarding the work for the Ph.D. thesis. He has also received two Tempus Individual Mobility Grants for visits to EU Universities in November-December 2003 - Institute of Fluid Mechanics in Erlangen (Friedrich-Alexander University) and in August-October 2005 - Laboratory of Fluid Mechanics

and Turbomachinery in Thessaloniki (Aristotle University). He participated at DAAD annual conference in the frame of the Stability Pact held in Potsdam in 2003.

He is an active member of the team from the Faculty that participates in two Tempus Joint European Projects: Development of Environment and Resources Curriculum (DEREC) and Numerical Simulation Programs in Mechanical Engineering (NSP-ME). As a part of the activities related to these projects, he visited the Faculty of Engineering in Florence in May 2006, July 2007 and October 2008 (DEREC), and two visits to consortium members in the NSP-ME project: February 2006 at the Faculty of Mechanical Engineering in Zagreb and in May 2007 and January 2009 at the Department of Mechanical Engineering at the Vrije University in Brussels.

Since 2005 is a member of the editorial board of the Proceedings of the Faculty of Mechanical Engineering in Skopje and was a Quality Manager for implementation of ISO/IEC standard 17020 at the Faculty of Mechanical Engineering in Skopje from 2005-2008.

He is involved in the creation of the master degree studies in Environmental Engineering and Resources at the Ss. Cyril and Methodius University in the framework of the TEMPUS co-funded project DEREL since 2011. He participated in coordination and control meetings, as well as study visits at Faculty of Engineering in Florence, Faculty of Technical Sciences in Novi Sad, Polytechnic Faculty in Tirana and the Ruhr University in Bochum during 2011 and 2012. In September 2012 he visits the EC Joint Research Center in Ispra, Italy in the framework of accession countries involvement in the science and research fields of the EU. During 2018 he was involved in the Dialogue Programme Structural and Administrative Challenges on the Way to a Low Carbon Economy/Society, Best Practices of Local Renewable Energy Production, hosted by the Multinational Development Policy Dialogue of Konrad-Adenauer-Stiftung, European Office Brussels during which he visited several Directorate-Generals of the European Commission and several state authorities of Bavaria, Germany.

He was the national coordinator for the QIMSEE (Quality Improvement in Master Studies in Energy and Environment) project financed by the Norwegian Ministry of Foreign Affairs from 2014-2017 and established the first Master program in English language at the Faculty of Mechanical Engineering. The program is called Sustainable Energy and Environment and was developed in collaboration with the Norwegian University of Science and Technology (NTNU) and several Balkan Universities (Belgrade, Zagreb, Banja Luka, Podgorica etc).

During 2016-2018, he is involved in several events organized by the Konrad Adenauer Stiftung related with the Cross-border cooperation in the Water Management Field with the Aristotle University in Thessaloniki, Greece.

Starting in June 2018, he is the national coordinator for a Hydroflex H2020 four year research project, with the NTNU being the lead partner.

He is currently (since 2016) the Head of the Doctoral School in Mechanical Engineering. He was elected vice-dean of the Faculty for educational affairs in September 2012 (for a 4 year term) and was also the Head of the Computer Center of the Faculty of Mechanical Engineering - Skopje from November 2008 to September 2012.

Since 2012 is a member of the Working group for natural gas established by the Regulatory Committee for Energy of R. Macedonia.

He is fluent in English and is a tennis official - holder of an International Tennis Federation White Badge.