

Croatian Academy of Engineering 2009 – 2013¹

Prof. Emeritus **Stanko Tonković**, Ph.D.

Past-President of the Academy (2009 – 2013)

In the electoral process of the Electoral Commission for elections of the new Governing Board in the spring of 2009 at the Assembly held on March 14, 2009 the new leadership, the new Governing Board and the composition of the new Presidency of the Croatian Academy of Engineering for a mandate period from July 01, 2009 to June 30, 2013 was confirmed. The leadership of the Croatian Academy of Engineering was elected: Prof. Stanko Tonković, Ph.D., President, Prof. Miljenko Lapaine, Ph.D., and Prof. Vilko Žiljak, Ph.D., Vice-Presidents and Goran Granić, Ph.D., Secretary-General, and according to the Statute of the Croatian Academy of Engineering the former President, Prof. Emer. Zlatko Kniewald, Ph.D. was associated to the Governing Board. The joint session of the new and former Presidency the Croatian Academy of Engineering was held on June 30, 2009.

The opening (constituting) session of the new Governing Board of the Croatian Academy of Engineering was organized on Tuesday, July 7, 2009, in the Academy House, Kačićeva 28, Zagreb. During the four-year mandate the Governing Board held 27 sessions, and the Presidency held 13 sessions, dealing with activities according to the Statute of the Croatian Academy of Engineering and the activities of the regular work of the Croatian Academy of Engineering. The Scientific Council of the Croatian Academy of Engineering held 3 sessions (3rd Session – Joint Session of Scientific Council and Governing Board on February 2, 2012). Four Assemblies of the Academy were held (March 27, 2010; May 05, 2011; December 20, 2012 and May 21, 2013).

In the beginning of the mandate, as President, I participated at the CAETS conference (CAETS Convocation 2009 – Global Natural Resources – Management and

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Sustainability) in Calgary, Canada, from 13 to 17 July, 2009. From 2009 to 2011 I was a member of the Board of Directors of CAETS. Successful cooperation with CAETS continued throughout all the mandate period.

On September 11, 2009 the Ministry of Science, Education and Sports issued **License for Scientific Activity** in the scientific field of Engineering Science. Accordingly, the Croatian Academy of Engineering was entered into the Register of scientific organizations under number 0338.

In the meantime effort was being performed on the text of the Statute of the Croatian Academy of Engineering. Special recognition for this activity goes to Goran Granić, Ph.D.

The 25th Annual Assembly of the Academy was held on Saturday, March 27, 2010. At the Assembly the new Statute of the Croatian Academy of Engineering and Ordinance on the Election of members of the Croatian Academy of Engineering (amended in the fall of 2012). Basic features of the new Statute are the simplification and harmonization with the statutes of most similar academies in the world, the ending of the status of extraordinary members, and the introduction of the electronic voting as equal to other models of voting.



Fig. 1. Assembly of the Academy, March 27, 2010

According to the new Statute the Croatian Academy of Engineering has members, associates, emeriti, honorary members, international members, members amici and supporting members. During the entire mandate, and thereafter, the process of transition of extraordinary and full members in the unique status member of the Academy, and the recruitment of new associate members continued. The procedures were very complex and time consuming.



Fig. 2. Prof. Marijan Bošnjak, Ph.D. receiving the Academy Award for his life – long activities in the Academy at the Assembly of the Academy, March 27, 2010

In September 2010, the Academy was visited by President of the Republic of Croatia, Prof. Ivo Josipović, Ph.D. We discussed the role of the Academy and Engineering Sciences in the development of the Croatian economy and industry. Acknowledgement and Medal of the Academy were given to the President.



Fig. 3. Presentation of Acknowledgement and Medal of the Academy to the President of the Republic of Croatia Prof. Ivo Josipović, Ph.D. while visiting the House of the Academy in September, 2010



Fig. 4. Rector of the University of Zagreb, Prof. Aleksa Bjeliš, Ph.D. visited the House of the Academy in April, 2011

In April 2011 the Rector of the University of Zagreb, accompanied by the Vice-Rector, member of the Academy Prof. Bojan Baletić, Ph. D. visited the Academy.

On January, 2014 the Symposium “Engineering Ethics and Croatian Economy” at the Faculty of Electrical Engineering and Computing organized by the Ethics Committee of the Croatian Academy of Engineering and the Faculty of Electrical Engineering and Computing was held.

The publishing activity of the Academy continued. During my mandate period two Annals of the Croatian Academy of Engineering (2009 and 2010/11) were published as well as three issues of the Bulletin “Tehničke znanosti / Engineering Power”.

Special mention should be made of Annual 2009 of the Croatian Academy of Engineering, in which, along with conceptual novelties, a new “Who is Who” was published, which required great efforts by of the Governing Board and Presidency of the Croatian Academy of Engineering.

The central celebration on the occasion of the 300th anniversary of the birth of Rugjer Bošković was held at Vatroslav Lisinski Concert Hall on May 17, 2011 organized by the Croatian Academy of Engineering and the Ministry of Science, Education and Sports. In front of a large audience, as President of the Academy, I opened celebration and expressed my admiration and praise of the character and work of Rugjer Bošković.

The Minister of Science, Education and Sports Radovan Fuchs, Croatian Parliament Speaker Luka Bebić and Croatian President Ivo Josipović gave their occasion speeches too. In the opinion of those present and the press much credit for the success of this celebration goes to Krešimir Dolenčić (director), Aljoša Paro (scenic design), Willem Miličević (video and photo processing) and executive producer Goran Granić, Ph.D. As President I especially expressed gratitude to Secretary-General Goran Granić, Ph.D., who was one of the main organizers of the celebration.



Fig. 5. President of the Academy, Prof. Stanko Tonković, Ph.D., opening speech on the occasion of the celebration of the 300th anniversary of the birth of Ruder Bošković, Vatroslav Lisinski Concert Hall, May 17, 2011



Fig. 6. President of the Republic of Croatia, Prof. Ivo Josipović, Ph.D., opening speech on the occasion of the celebration of the 300th anniversary of the birth of Ruder Bošković, Vatroslav Lisinski Concert Hall, May 17, 2011



Fig. 7. Assembly of the Academy, May 17, 2011

The 26th Annual Assembly of the Croatian Academy of Engineering was held on Tuesday, May 17, 2011, after the celebration of the 300th anniversary of the birth of Rugjer Bošković at Vatroslav Lisinski Concert Hall.

Pursuant to articles 16 and 46 of the Statute a new categorization of membership was implemented, and full members became Academy members, most of extraordinary members were converted to the status of Academy members, associate members became Academy associates, corresponding members became international members of the Academy, members emeriti became Academy emeriti, honorary members became honorary members of the Academy, member friends became friends of the Academy, and supporting members became supporting members of the Academy. Decisions were given to all members of the Academy. As President, I particularly thanked Prof. Juraj Božičević, Ph.D. (who performed the duties of Secretary-General and President of the Academy) and Prof. Dražen Aničić, Ph.D. (former Secretary General of the Academy), who are also among the founder members of the Academy, for their great contribution to the development and work of the Academy.

On 28 September, 2011, the Croatian Academy of Engineering marked the life and work of its honorary member Prof. Emeritus Vera Johanides who died in 2000, with an appropriate scientific symposium. Prof. Vera Johanides was the founder of biotechnology, in particular biochemical engineering in Croatia. Marking the work of Prof. Emeritus Vera Johanides was performed jointly by Croatian Academy of Engineering and Faculty of Food Technology and Biotechnology, University of Zagreb in cooperation with the Biotechnology Foundation of the Faculty of Food Technology and Biotechnology of the University of Zagreb, Croatian Society for Biotechnology and donors from the industry.



Fig. 8. Prof. Jasna Franekić, Ph.D. receiving the Academy Award “Power of Knowledge” at the Assembly of the Academy, May 17, 2011

On this occasion the memorial bust of Vera Johanides was unveiled in the park of the Academy House. The bust was made by sculptor Prof. Slavomir Drinković, Ph.D. In this way the Academy honored one of its first members, a renowned and acknowledged scientist from the field of biotechnology.

In the winter of 2012 problems with my health unfortunately began. They lasted, with brief interruptions, until the end of my mandate, of course affecting my activity and work in the Croatian Academy of Engineering.

For health reasons, I could not perform my duties in the period **from January 23, 2012 to June 11, 2012 and from November 20, 2012 to June 20, 2013**. Pursuant to Article 35, paragraphs 2 and 3 of the Statute of the Croatian Academy of Engineering Secretary-General Goran Granić Ph.D. and Prof. Vilko Žiljak, Ph.D., Vice-President of the Academy deputized for me during my absence.

In the first period Goran Granić, Ph.D., led a series of sessions of bodies of the Croatian Academy of Engineering, especially of the Awards Committee and the procedure for the election of new members, for which I am sincerely grateful.

In July 2012, members of the Governing Board Prof. Miljenko Lapaine, Ph.D. (July 10, 2012) and Goran Granić, Ph.D. (July 04, 2012) resigned from all their positions in the Croatian Academy of Engineering.

In March 2012 the Croatian Academy of Engineering signed the Agreement on Scientific and Technical Cooperation with the Academy of Medical Sciences of Croatia, the Croatian Academy of Legal Sciences and the Academy of Forestry Sciences.

Unfortunately, because of illness I was not present at a very successful meeting held on September 3, 2012, in Zagreb (Sheraton Hotel) between senior representatives of the Chinese Academy of Engineering and the Croatian Academy of Engineering. The meeting was led by Prof. Vilko Žiljak, Ph.D., Vice-President of the Croatian Academy of Engineering and by Prof. Pan Yunhe, Vice-President of CAE. As a result of the meeting the Agreement on Cooperation between the Croatian Academy of Engineering and the Chinese Academy of Engineering was signed on January 23, 2013

After long discussions and consultations, at the initiative of Prof. Juraj Božičević, Ph.D., Head of the Center for Development Studies and Projects of the Academy and Prof. Franjo Jović, Ph.D., Secretary of the Department of Systems and Cybernetics “The Talks about the Present and Future of Engineering in Croatia” were initiated which encourage socializing, thinking and exchange of views on major development issues.

The 27th Annual Assembly of the Croatian Academy of Engineering was held on December 20, 2012. Besides the regular items on the Agenda of the Assembly, I particularly emphasize the election of new members and associates of the Academy, the announcement of the public competition for the appointment to the remaining places in the Departments of the Academy and the election of the Commission for starting the official announcement of the competition and the election of the new leadership of the Croatian Academy of Engineering for the mandate period from July 1, 2013 to July 1, 2017.

Along with the co-organizers the University of Zagreb, Faculty of Food Technology and Biotechnology, Croatian Society of Biotechnology and Biotechnology Foundation, the Academy was the organizer of the second international symposium “Vera Johanides – Biotechnology in Croatia by 2020”. This exceptionally successful symposium was held 10 – 11 May 2013 in the Great Hall of the University of Zagreb. A detailed report with peer-reviewed papers in the Annual 2013 of the Croatian Academy of Engineering was foreseen.

During the spring of 2013, pursuant to the Statute of the Academy the elections of the new leadership of the Academy were held. At the session held on May 14, 2013 the Presidency of the Academy accepted the Report of the Commission for the election of new leaders of the Croatian Academy of Engineering chaired by Prof. Karolj Skala, Ph.D. It was decided to conduct electronic voting.

The new leadership of the Croatian Academy of Engineering was elected by voting for a mandate period from July 01, 2013 to June 30, 2017 in the following composition:

- Prof. Vladimir Andročec, Ph.D., President
- Prof. Vladimir Medved, Ph.D., Vice-President
- Prof. Zdravko Terze, Ph.D., Vice-President
- Prof. Dubravko Rogale, Ph.D., Secretary-General

On 21 May, 2013 the 20th anniversary of founding the Croatian Academy of Engineering was held at the Mimara Museum. In a festive environment, along with other guests and occasion speeches, the celebration was led by my deputy, Prof. Vilko Žiljak, Ph.D. The course of the celebration is also available on video recording.

The 28th Annual Assembly of the Croatian Academy of Engineering was held after the anniversary celebrations, on the same day, May 21, 2013. I did not attend the Assembly, but all data can be found in the Minutes and the video recording of the Assembly. The most important fact is that the Assembly accepted the new leadership of the Academy in the abovementioned composition. New leadership began operating on July 1, 2013.

In the second mentioned period Prof. Vilko Žiljak, Ph.D. was, among other things, especially active and involved in the preparations of organizing and holding the 27th and 28th Annual Assembly of the Academy and the celebration of the 20th anniversary of founding the Croatian Academy of Engineering for which I am very thankful to him.

More detailed information about everything that happened in this period can be obtained at the Secretariat of the Academy, or from me personally or from the members of Governing Board, particularly for the periods when Goran Granić, Ph.D. (February 23, 2012 to June 11, 2012) and Prof. Vilko Žiljak, Ph.D. (November 20, 2012 to June 20, 2013) deputized for me.

I would like to express my sincere gratitude to the whole Governing Board for their efforts, conscientiousness, and time taken to execute ungrateful and burdensome obligations and enable the successful work of the Academy in the mentioned period.