

HATZ NEWS

Since the 31th Annual Assembly of the Croatian Academy of Engineering, which was held on May 11, 2016 at the University of Zagreb, the current Academy membership count is the following:

Members of the Academy	109
Emeriti of the Academy	71
International Members of the Academy	11
Associates of the Academy	63
Honorary Members of the Academy	10
Supporting Members of the Academy	49
TOTAL	313

In the previous period the new Bylaw on the Election to Membership of the Academy as well as the new Bylaw on Awards and Recognitions of the Academy have been passed. The Academy had opened and completed the Competition for 2015 HATZ Awards and Recognitions and selected the laureates. The awards, medals and recognitions were granted to the laureates at the 31st Annual Assembly.

The Internal Call for Transition of Members of the Academy to Emeriti of the Academy and Advancement of Associates of the Academy to Members of the Academy, opened and completed this year, resulted in 8 new Emeriti of the Academy and 13 new Members of the Academy. The membership of two Associates of the Academy turning 70 in 2016, who did not apply to the Internal Call, has ceased. Four new Supporting Members have been admitted to the Academy membership. We have already informed our members and all interested parties in more detail on these developments in the News section on our website: <http://www.hatz.hr/category/novosti/>

The Departments have been particularly active in their project work and in the competition and election procedures concerning new Members and Emeriti of the Academy as well as the 2015 HATZ Awards and Recognitions Laureates. Among the 2015 activities reports especially interesting is the project „The City of Zagreb Earthquake Risk – Infrastructure, Population, Structures and Cultural Heritage“. HATZ Department of Civil Engineering will be responsible for the project and cooperate with the City of Zagreb

Another prominent project is the BIOCenter at the University of Zagreb - Borongaj Campus, which pertains to the scope of Department of Bioprocess Engineering. The Department will organize round table discussion on this subject together with HATZ Biotechnical Center. Also, this newest issue of HATZ Bulletin „Tehničke znanosti“ and „Engineering Power“, respectively, was also prepared by the Department of Bioprocess Engineering in cooperation with HATZ Biotechnical Center. The Bulletin is co-published by our Academy and Croatian Academy of Medical Sciences and dedicated to the first Croatian Nobel Prize winner **Leopold Ružička**. The Guest Editor of this issue is Prof. Emer. Zlatko Kniewald, Ph. D., Emeritus of the Academy and Secretary of the HATZ Department of Bioprocess Engineering. Department of Systems and Cybernetics as well as some members from other HATZ Departments are particularly active in the field of biomedical engineering. Since certain Departments have stated in their 2016 activity plans the organization of lectures of distinguished lecturers from abroad, the inclusion of lectures of International and Honorary Members of the

Academy from abroad has also been proposed, especially those with notable international scientific careers.

The most active HATZ Committees are: Committee for Economic and Regional Cooperation, which has organized several round table discussions and workshops on the topics of connecting science, industry and the economy; Committee for International Cooperation, especially through SAM (Scientific Advice Mechanism), as an assignment from the Euro-CASE; Committee for Awards, which has successfully realized an extensive task of carrying out the Competition for 2015 HATZ Awards and Recognitions, the evaluation of candidates and selection of laureates. We should also mention the activity of the Committee for Scientific Fund, which, together with the Governing Board of the Academy, provides for funds for the awards.

Generally, the majority of Departments and Committees as well as Centers actively participate in the realization of the Academy Program by organizing meetings, participating in public discussions of interest for technological and biotechnological sciences and the economy, participate in preparation and publishing of HATZ Annuals in English and bilingual HATZ Bulletin „Tehničke znanosti“ and „Engineering Power“. In 2016 the Academy published „Annual 2015 of the Croatian Academy of Engineering“, which, apart from the new papers, also includes reprints of the best papers of our members. The Academy also published „Engineering Power“ Vol. 11(19) 2016, which was prepared under the editorial leadership of Guest Editor Prof. Emer. Ana Marija Grancarić, Ph. D., Member of the Academy in the Department of Textile Technology. The issue has been dedicated to the European projects in the field of textile technology. A number of our distinguished experts from the Faculty of Textile Technology, University of Zagreb participate on the projects. This year the Academy also copublished, together with the Public Open University Zagreb, the 2nd Extended Edition of the Monograph „Life and Inventions of Faust Vrančić“ by Prof. Gojko Nikolić, Ph. D.

The members of certain Departments particularly actively advocate the regulation of engineering professions and founding of the Croatian Chamber of Engineers; formulation of the Transport Strategy of the Republic of Croatia and its operationalization within the framework of Croatia's EU membership as well as the quality strategical transport integration and stronger economic integration of the European North and South, as it has been demonstrated in the successfully finalized European project „SETA – South-East Transport Axis Baltic-Adriatic“. The Academy participates on this project via HATZ Center for Transport Engineering.

The Scientific Council of the Academy discussed at its sessions on the important issues concerning Academy's publications and projects, evaluation of scientific and professional work and other themes dealing with promotion of scientific and professional excellence. The Council formulated a number of proposals for improvement of the criteria and rating in the process of membership advancement and awards granting. It also proposed a list of candidates for new memorial busts in the courtyard of the HATZ House (Vatroslav Lopašić, Rikard Podhorsky, Vladimir Muljević, Andrija Mohorovičić, Ivan Supek...). The bust of Prof. Vatroslav Lopašić, Honorary Member of HATZ since 1994 (died in 2003), is

currently in creation by a team of notable Croatian artists and masters, and so are the preparations for the ceremony of its unveiling, which will take place in October 2016.

Through its Euro-CASE and CAETS membership the Academy wishes to contribute to a stronger European and international positioning of technological and biotechnological sciences in Croatia as well as better positioning of our country in general.

The representatives of the Academy participate at all major meetings of these international associations and thus the HATZ President Prof. Vladimir Androćec, Ph. D. and Vice-President Prof. Zdravko Terze, Ph. D., have attended the Euro-CASE Board Meeting and meetings concerning the European project SAPEA (Science Advice for Policy by the European Academies), which were held in Paris, France, in May, 2016. The Academy is engaged on this project via Euro-CASE.

Together with its sister academies (Croatian Academy of Medical Sciences, Croatian Academy of Legal Sciences and Academy of Forestry Sciences), our Academy has undertaken very intensive activities with the aim of regulating the scientific status of our academies and issues of reaccreditation procedure conducted by the Agency for Science and Higher Education. The results of these joint efforts are the decree of the Ministry of Science, Education and Sports of the Republic of Croatia and the Agency for Science and Higher Education on temporary exemption of professional academies from the reaccreditation procedure, which is in its current form adjusted almost exclusively to scientific institutions such as universities, faculties and public institutes, and the notice that this issue will be resolved by passing future legislative acts regulating this substance.

Acquiring and retaining, respectively, of the status of scientific organization entails that our academies may apply for and lead important European and international projects and thus withdraw funds from the European and international sources in the Croatian science and the economy, i.e. the National Budget, from which our academies are funded minimally and exclusively from earmarked funds.

In 2016 the Academy is patron and coorganizer of numerous scientific and professional meetings. Herein are the most important of them.

Auspices in 2016

- Faculty of Textile Technology in Zagreb - 9th Scientific and Professional Colloquium Textile Science and the Economy 2016 – „Creative Mixer“, Zagreb, January 26, 2016,
- Croatian Systems Society (CROSS), Jubilee Conference on the Occasion of 25 Years since the Founding of the CROSS, Zagreb, January 27, 2016,

- Faculty of Chemical Engineering and Technology in Zagreb – 11th Meeting of the Junior Chemical Engineers and Technologists, Zagreb, February 18, 2016,
- Faculty of Food Technology in Osijek – 2nd International and 6th Scientific and Professional Meeting „Water for All“, on the Occasion of the World Waters Day, Osijek, March 18, 2016,
- International Colors Day 2016, Zagreb, March 21, 2016,
- International Conference ZIRP (Science and Development of Transport), „Perspectives of the Croatian Logistics Industry in the Attraction of International Goods Flow“, Zagreb, April 12, 2016,
- International Scientific and Professional Conference 16th Ružička Days „Today Science – Tomorrow Industry“, Vukovar, September 21-23, 2016,
- 24th International Scientific Conference SoftCOM 2016, Split, September 22-24, 2016,
- 9. međunarodni znanstveno-stručni skup „Hranom do zdravlja“, Osijek, 13. listopada 2016.;
- International Scientific Conference on Smart Systems and Technologies 2016 (SST 2016), Osijek, October 12-14, 2016,
- Croatian Energy Society - 25th Forum: Energy Day in Croatia „The United Energy and Climate Policy in the Open Energy Market – A Year After COP21“, Zagreb, November 18, 2016

(Co)organization of Meetings in 2016

- Joint Session of the Council and Coordination of Four Academies: HATZ, AMZH, APZH and AŠZ, Zagreb, January 27, 2016,
- HIS – Round Table Discussion „Engineers on Energy Industry“etici“, Zagreb, February 25, 2016,
- HIS, HATZ and FER – Croatian Engineers Day, Zagreb, March 2, 2016,
- FER - Brain Week 2016; Zagreb, March 14-20, 2016,
- HATZ Department of Graphical Engineering, Center for Graphical Engineering – International Conference „Printing&Design 2016“, Zagreb, March 30, 2016,
- FSB, HATZ – Presentation of the First Robotic Neurosurgical Operation (RONNA), Dubrava Clinical Hospital Amphitheater, Zagreb, March 31, 2016,
- FSB, HATZ – Round Table Discussion „Croatian Innovation System within the European Framework“, Zagreb, April 14, 2016

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