

Professor Šime Malenica awarded by the Croatian Academy of Sciences and Arts

Professor Šime Malenica was awarded by the Croatian Academy of Sciences and Arts at the ceremony to mark the Academy Day on the 29th of April, 2015, for his achievements in the field of technical sciences in 2014.

Šime Malenica was born in Split in 1965, where he enrolled in the Naval Architecture studies at the University of Split, Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture in 1985. Two years later he continued his education at the University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, where he graduated in Naval Architecture in 1990. Šime Malenica obtained his master's and doctoral degree at the Pierre and Marie Curie University (Paris VI) in 1991 and 1994, respectively. During that period he began his career at the French Institute of Petroleum (IFP). Currently, Professor Malenica works at the Classification Society Bureau Veritas (BV) Paris, where he is head of the Hydro-Structure Section.

Šime Malenica is engaged in the development of numerical methods for ship hydrodynamics and software for direct ship structural response calculation according to the Classification Rules. He has participated in many international projects whose research results have been published in international journals and presented at specialized conferences. In that way, he has become a distinguished researcher in the field of naval architecture. Professor Malenica has been supervisor and co-supervisor of several doctoral candidates at different universities worldwide (Croatia, France, Netherlands, Denmark, Norway, South Korea etc.). He is a member of the International Ship and Offshore Structure Congress (ISSC), the most important organization in the field of ships and offshore structures, which operates through different technical committees. The Congress takes place in different countries every third year, evaluating new achievements during the past period and establishing directions for further research. Šime Malenica is a member of the editorial board of the most important journal, the International Journal of Marine Structures. He is also a member of the Scientific Council for Maritime Affairs of the Croatian Academy of Sciences and Arts, and a member of the Standing Committee of the Croatian symposium called Theory and Practice of Naval Architecture in memoriam Professor Leopold Sorta.

Professor Malenica was appointed Honorary Associate Professor at the University of Zagreb. He has developed extensive collaboration with Croatian researchers by

- participating in common research and publishing,
- engaging Croatian researchers in common international projects,
- participating in projects of the Croatian Ministry of Sciences, Education and Sports,
- organizing international conferences in the Republic of Croatia,
- teaching doctoral students at the Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb,
- supervising doctoral candidates,
- organizing training of young researchers in Bureau Veritas, Paris, etc.

In the last decade Šime Malenica has intensively investigated ship and offshore structure hydroelasticity problem. As a result, a few pioneer articles have been published in distinguished international journals. The new contemporary numerical methods, which have been verified by model tests and full-scale measurements, are used all over the world for the development of necessary software as a basic tool for ship structural design.

Professor Malenica was coordinator of the EU FP7 Project Tools for Ultra Large Container Ships (TULCS). The project consortium consisted of 13 organizations led by Bureau Veritas, Paris, and Hyundai Heavy Industries, the world biggest shipyard, was associate member. Results of the project are summarized in 14 papers and published in the special section of the International Journal of Naval Architecture and Ocean Engineering (IJNAOE) in 2014, edited by Šime Malenica and Ivo Senjanović as guest editors.

The developed numerical methods published in leading international journals represent unique and permanent contribution to engineering sciences, and thanks to the cooperation with Croatian scientists, they also contribute to the development of the Croatian shipbuilding industry and its competitiveness in the demanding world trade market.



Professor Šime Malenica receives award from Professor Zvonko Kusić,
President of the Croatian Academy of Sciences and Arts

Ivo Senjanović