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Some Aspects of Hydro-Structure Interactions for Offshore and Naval Applications

Biography: Šime Malenica has Naval Architecture degree (1990) from University of Zagreb and PhD degree in Hydrodynamics (1994) from Paris VI University. After his PhD graduation he joined Bureau Veritas where he is still employed. He has been head of the hydro structure section team in the Research Department for a long time and in 2008 he became the Deputy Director of the Research Department. His main fields of research concerns the different aspects of hydro-structure interactions (linear, non-linear, frequency domain, time domain, quasi static and hydroelastic, local and global, ships and offshore...) and he is actively participating in several national and international research projects on those topics. His research activities include both theoretical and practical aspects of ship and offshore hydrodynamics and he published more than 200 papers both in scientific journals and at the specialized conferences. He is also Associate Professor at the Faculty of Mechanical Engineering and Naval Architecture in Zagreb (Croatia). From 2016 he is the corresponding member of the Croatian Academy of Sciences and Arts.