

***REAR ADMIRAL (LH) Alecu TOMA,***  
***Associate professor PhD, Eng, MSc***

***Professional experience***

Commissioned in 1995, he served on his first assignment as head of underwater weapons department on board the minesweeper ship “*Ensign Alexandru Axente*” (30) MCM squadron, being further promoted in the same unit, from 1999 to 2003, as deputy Commanding Officer on the ship. From 2004 to 2007 he performed duties as staff officer of the ROU Navy Fleet HQ, expert in naval operations and EOD branch, being appointed in April 2006 to serve as staff officer for the Black Sea Naval Cooperation Task Group (BLACKSEAFOR), when Romania assumed rotational command. In August 2006 and April 2007, he served as liaison officer during the BLACKSEAFOR, Novorossiysk, when Russian Federation assumed rotational command.

Starting on 2007 he has been assigned in training field of Navy personnel, being successively appointed on the positions of head of education office, senior instructor, chief instructor and Head of Navy Weapons Department in the Navy Training School Center, teaching the courses of Maritime Security and EOD, Undersea warfare and Methodic of Instruction.

In 2013 he had passed the exam for lecturer position in the Navigation and Naval Transport Department of the Romanian Naval Academy and in 2014 he had been elected as Head of this department. Further, following up the academic awarding stages, in 2017 he has passed the national exam for Associate Professor position in the Navigation and Naval Transport Department of the Romanian Naval Academy, being appointed from 2018 as Vice-rector (Deputy) for Education. Starting on January 2020 he has been empowered as CO proxy of the position of Commandant (Rector) of the Romanian Naval Academy, for which position he has been fully appointed in September 2020.

***Academic background – Teaching and Scientific Research***

The officer is specialized in naval operations, search and rescue operations at sea, ship handling, ship damage control, undersea warfare, explosive ordnance disposal, maritime safety and security. Alongside his didactic carrier, he has participated in multiple Erasmus Staff Exchange (teaching) programs at different academic/training institutions from Europe, enriching his international academic visibility. As researcher, the officer has participated in many national and international scientific conferences, publishing as author or coauthor, more than 40 articles in different international or national journals indexed in international databases in the naval and maritime area of knowledge. He is the main author of 4 specialty books published by Romanian Naval Academy Publishing House, and he published more than 12 studies in conference proceedings indexed by ISI Web of Science. He participated as director or contract responsible in 5 research-development projects and he participated as a researcher or expert for 32 projects. He is member 3 professional associations and societies in area of naval and maritime business.

***Education***

He has graduated Romanian Naval Academy in 1995 and he earned his Ph.D. degree in mechanical engineering from the Military Technical Academy in 2010 in mechanical engineering field, with the thesis entitled “Numerical modeling of interaction between underwater shock wave and underwater explosive devices”. He has graduated *International Department Head/Operations specialist and Shiphandling Course* on Surface Warfare Officer School Command (SWOSC) and

*Rule of Law and Disciplined Operations for Maritime Officers Course* on Defense Institute of International Legal Studies, Department of the Navy, USA in 2005.

He is certified as didactic expert, graduating pedagogical study programs, 1st and 2nd level. He graduated from postgraduate training program and ongoing professional development, quality, innovation, communication training system of higher education organized by Bucharest Polytechnical University in 2013. He is certified as instructor of Integrated Ship handling Simulator (NTPRO 5000 ver. 5.30) and GMDSS simulator (TGS 5000 ver. 8.3) developed by Transas Inc.

In 2016 the officer has graduated Intelligence and national security Course, and Challenges of Securing Maritime Areas for the European Union Course in 2017, under European Security and Defense auspices. He also graduated several carrier courses on national level, under MoD authority. During his career he has been awarded with the “Medal of Honor” from General Staff, “Medal of Honor” from Naval Forces and with the Honorific Insignia “Service in the Armed Forces” for his 15, 20 and 25 years of service.

He is born on the 11th of February 1972. Is married and has two sons.