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This talk will introduce different AUV and ASV competitions around the world that have been sponsored by IEEE OES. It will detail the long series of marine and multi-domain robotics competitions in Europe starting with the Student Autonomous Underwater Vehicle Challenge - Europe (SAUC-E) to the European Robotics League Emergency and including the euRathlon 2015 Grand Challenge, the first multi-domain robotics challenge involving marine, aerial and land robots. Then, the Singapore Autonomous Underwater Vehicle Challenge (SAUVC), a very popular competition in Asia and the Maritime RobotX organized by RoboNation will also be introduced. The talk will highlight several examples of career paths of ex-students and the importance of competitions to enrich the students curriculum.