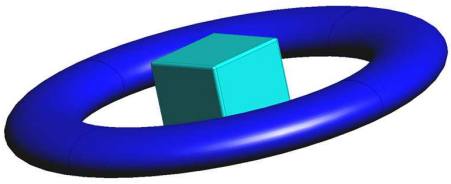
PERRONE ROBOTICS

AUTONOMOUS UNDERWATER VEHICLES



PERRONEROBOTICS.SE

Company Description:

Perrone Robotics has two main objectives: *provide research institutions with an adaptable tool for underwater experimentation*, and *perform technology transfer between the academic research and the underwater intervention world*. The company disposes of a solid international network capable of providing both hi-technology materials used for manufacturing its robots and systems, and cutting-edge software and algorithms for the control systems and the on-board intelligence of its machines. Perrone Robotics business strategy is not only to design, produce and sell underwater robots but also to provide a continuative service to research institutions and underwater intervention companies in order to allow them to pursuit their final goal.

Principal investigator's CV:

Matteo Perrone received his M.Sc. in Electronic Engineering (specialized in robotics and bioengineering) at the University of Genoa, Italy in 1996. He worked two years in Italy as consultant for the biomedical industry (www.esaote.com) (MRI) and automation industry (www.ricchetti.it) (quality control), and as research engineer for the University of Genoa (www.lira.dist.unige.it) in the fields of computer vision and man-machine interface. From 1998 to 2001 he continued in the position of research engineer at the University of Lisbon, Portugal (vislab.isr.ist.utl.pt) and at CNRS, Sophia Antipolis, France (www.i3s.unice.fr) dealing with computer vision and underwater robotics. He then moved to Stockholm, Sweden and spent the years 2001-2002 consulting for the communication industry (www.enea.se). At the end of 2002, capitalising on his past experience, he started a company of underwater robotic: Perrone Robotics (www.perronerobotics.se) in Nacka, Sweden. Assuming a CEO position he developed new skills of company management, enterprise economy, purchasing and marketing strategies and project management. Involved mainly in the design, and construction of a holonon autonomous underwater vehicle he also improved and extended his tecnical competences in material technology, structural design, hydrodinamics, propeller and thruster design, hardware and sensors integration. He is nowadays focusing in thrusters integration, control system development,

hardware and software integration, computer vision, control theory, navigation, man-machine interface.

Swedish citizen since 2006, lives with his wife and three kids, in Nacka, Sweden.

Matteo Perrone

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