

Dear prof. Dušan Agrež,

this is to inform you about the submission for possible publication as a regular paper on ACTA IMEKO of the work:

“ISME activity on the use of Autonomous Surface and Underwater Vehicles for acoustic surveys at sea” from Gianluca Antonelli¹, Filippo Arrichiello¹, Andrea Caiti², Giuseppe Casalino³, Daniela De Palma⁴, Giovanni Indiveri⁴, Matteo Razzanelli², Lorenzo Pollini², Enrico Simetti³

¹ ISME-node University of Cassino and Southern Lazio, {antonelli, f.arrichiello}@unicas.it

² ISME-node University of Pisa, {andrea.caiti, lorenzo.pollini}@unipi.it, matteo.razzanelli@ing.unipi.it

³ ISME-node University of Genova, {giuseppe.casalino, enrico.simetti}@unige.it

⁴ ISME-node University of Salento, {daniela.depalma,giovanni.indiveri}@unisalento.it

The work is an upgrade of the paper presented at the "IMEKO TC19 WORKSHOP on METROLOGY FOR THE SEA held in Naples, (Italy) on October 11th – 13th 2017", titled “ISME trends: Autonomous Surface and Underwater Vehicles for Geoseismic Survey” by Gianluca Antonelli, Filippo Arrichiello, Andrea Caiti, Giuseppe Casalino, Giovanni Indiveri, Lorenzo Pollini, Enrico Simetti

With respect to that work, the submitted version improves the previous work on in term of:

- a general revision of the work and rearrangement of some sections
- further details on the autonomous Catamaran structure and on the motion control strategies
- results of experimental tests with the autonomous catamaran
- further details on the autonomous underwater vehicle motion control strategies
- results of experimental tests with the Folaga Underwater Vehicles

Please let me in case you need any further information.

I look forward to receiving your positive feedback

Best regards,
Filippo Arrichiello
