**Cover Letter**

Dear Editor, Dear Reviewers,

this article is the upgrade of the paper presented to IMEKO TC19 WORKSHOP on METROLOGY FOR THE SEA held in Naples, (Italy) on October 11th – 13th 2017. The article shows the new the development of an attitude and control system for a tailless Autonomous Underwater Vehicle without movable control surfaces. With respect to the paper already presented to the Congress, as novelty, this one shows all the navigation section for the glider management also called Glider Integrated Control System (GICS). GICS monitors the buoyancy and attitude control, handles the payload by taking care of the entire data package that it provides and of all communications with the "outside world".

We affirm that the research is completely new and never already published before.

 My best Regards

 Fabio Leccese

The article shows the new results obtained by two reaserch groups of two Universities placed in Roma "La Sapienza" and "Roma Tre" in the classification of powder for heritage applications.

We affirm that the research is completely new and never already published before.