



ABSTRACT SUBMISSION / SOUMISSION DES RESUMES

IMPORTANT DATES / DATES IMPORTANTES	
✉ Abstract Submission Deadline	June 30 (Fri), 2017
✉ Review and Selection of Abstracts	October 16 (Mon), 2017
✉ Notifications of Acceptance	October 31 (Tue), 2017
✉ Submission of Full Papers	February 28 (Wed), 2018
✉ Presentation File Deadline	May 15 (Tue), 2018
✉ Early Bird Registration	October 1(Sun), 2017 - January 31 (Wed), 2018

NOTICE / A NOTER
<ul style="list-style-type: none"> ✉ Abstracts should be written in English or French in a grammatically correct manner. ✉ Abstracts are limited to an approximately 200 words. ✉ Abstract Titles <ul style="list-style-type: none"> · Abstract titles should be less than 30 words. · The abstract title should be short, informative and contain the major key words. · The first letters of all words except for articles, prepositions, and conjunctions, should be in capital letters. All other letters should be in lower case. ✉ Names and affiliations of authors are to be listed. ✉ Please be sure to list the names of all co-authors, including the presenter, to prevent any omissions in the abstract file. ✉ Abstracts received will be considered by the Conference Steering Committee and the authors informed accordingly.

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ABSTRACT FRAME

Topic No. / Sujet n°	4	Proposed topic / Sujet proposé	Marine Aids to Navigation in a developing technological and behavioral environment
<p>Use of UAV for the Performance Assessment of Visual Aids To navigation</p> <p>Conceição, Victor; Rodrigues, Pedro; Marques, Mário (Escola Naval – CINAV) Duarte, Filipe (ISkyex) Dias, Vitor (Direção de Faróis)</p> <p>Coastal and inshore navigational areas are becoming increasingly congested not only due to the vessels traffic, but also from the more recent economic activities such as offshore wind farms, tidal turbines and aquaculture sites. At the same time the challenges presented by coastal development like “light pollution” or operational requirements of larger vessels or high speed crafts are imposing more complex design solutions for the Aids to navigation (AtoN). On the other side, users are calling for higher effectiveness of the service being provided, namely through clear statements of the level of performance standard. Over the last decade we have witnessed a large diversity of UAV application solution in several domains. The associated technology is becoming cheaper, easily achievable and with higher levels of performance. This paper presents the results of several tests to validate the conceptual use of UAVs in the performance assessment of AtoN. Results point the possibility for the definition of more detailed performance indicators of AtoN. UAVs fitted with optical sensors may simulate the perception of observers at several heights and directions. Above all, they provide a systematic methodology to assess or monitor the conspicuity of AtoN at preset positions or paths.</p>			

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