

Contents of Week 9

Topics

This week, the remaining learning materials related to Topic 9, "Aerial and marine robotic systems", will be presented. Two subjects will be addressed: "Ocean exploration using marine robotics systems", and "Aerial vehicles for missions at sea". You may find also the first set of learning materials associated to Topic 10, "Ocean exploration using remote sensing". "Remote sensing for detecting plastics" is the subject addressed.

Resources

The lecture "Ocean exploration using Marine Robotics Systems" is presented by Prof. António Pascoal, from Instituto Superior Técnico. The video with the lecture is subdivided into two parts and a pdf file containing the powerpoint version is also made available. Several additional videos reporting several research projects associated to the development and use of marine robotic systems are also included. The lecture "Aerial vehicles for missions at sea" is presented by Prof. Rita Cunha, from Instituto Superior Técnico. The video with the lecture is also subdivided into two parts and pdf files containing the powerpoint version are made available.

Prof. Maria João Pereira, from Instituto Superior Técnico, presents the lecture "Remote sensing for detecting plastics". Additional videos about the techniques that use satellite information to detect floating debris are also made available.

Activities

This week, the seventh quiz will be launched. It includes questions related to the subjects discussed in Topic 7, "Oceanographic Data Management Platforms", and Topic 8, "Numerical models and simulation of Ocean behaviour". The quiz will be opened on the 19th of May and, if you wish, you may repeat it once. You may submit your answers until the 13th of June.

This week no Social Networking Activity will be launched. But be aware! During the week, the results of previous activities will be revealed and shared with all Ulissers.

Enjoy the week!

Ulisses Team

Lisbon, 14th May 2021