

Highlights

Monitoring cetaceans and anthropogenic noises in the Cabrera Archipelago Maritime National Park



The Passive Acoustic Monitoring system developed by the ITEAM researchers is being used in the Cabrera Archipelago Maritime National Park to evaluate the presence of fin whales (*Balaenoptera physalus*) and to detect unauthorized seismic surveys. This system, called SAMARUC, is a modular system developed under the framework of a National research project and a collaboration with the Oceanogràfic of the City of Arts and Sciences of Valencia. The system started to operate in July 2013 and remains moored at 90 meters of depth in the North east coast of the Cabrera Island. Up to date the system has provided with a whole year of high quality acoustic recordings (16Hz -96KHz) that are being processed with automatic detection algorithms devised by the ITEAM researchers. All this information is crucial for the Oceanogràfic and the National Park biologists to establish relationships between the presence of cetaceans, the anthropogenic noises and the migration routes of the fin whale.

Prof. José Capmany Appointed Member of the High Consultive Council on R&D of the Valencian Government

After receiving the 2012 Premio Rey Jaime I in novel technologies ITEAM Director Prof. José Capmany has been appointed permanent member of the High Consultive Council on R&D of the Valencian Government. This council is in charge of providing advanced and high-level advice to the President of the Valencian Government on all issues related to research, development and innovation.



Prof. Alberto González and Assoc. Prof. Gema Piñero organized and chaired the special session entitled "Distributed and collaborative signal processing: Algorithms and applications" at the Spanish URSI Conference celebrated at the School of Telecommunication Engineering of the Polytechnic University of Valencia, 3-5 September. Researchers from the Universities of Oviedo, Alcalá de Henares, Polytechnic of Madrid and Carlos III of Madrid presented their last contributions and results on this topic.

ITEAM will organize the 41 Edition of the European Conference on Optical Communications ECOC 2015



ITEAM members Prof. José Capmany and Prof. Salvador Sales will be respectively conference and technical programme committee chairs of the next edition of the European Conference on Optical Communications, ECOC 2015 that will be held in Valencia from 27 September to 1 October 2015. ECOC is the leading conference on optical communication in Europe, attracting more than 1,000 participants each year and an exhibition space of more than 10,000 m². The latest advances in optical communication technologies are reported, from fibres, components and systems up to networks. For more information please consult www.ecoc2015.org.

Prof. José Capmany Appointed Distinguished Lecturer of the IEEE Photonics Society



ITEAM Director Prof. José Capmany has been appointed Distinguished Lecturer of the IEEE Photonics Society for the 2013-14 term. His lecture subject on Integrated Microwave Photonics will cover recent research results from his research groups and other around the world working on this emerging subject. Prof. Capmany is the first Spaniard researcher to have received this distinction by the Photonics Society.

ITEAM started in 2012 a Program of Invited Lectures on Communications and Multimedia. The following lecturers visited us during the 2014: Prof. Bahram Jalali, Northrop Grumman Endowed Opto-Electronic Chair in Electrical Engineering at UCLA (USA), and Prof. Luc Thévenaz from the Swiss Federal Institute of Technology of Lausanne (Switzerland).

