Highlights

ITEAM 2015

ITEAM received in October 2015 the visit of Prof. Mykola Kushnir of the Chernivtsi National University of Ukraine. He gave an interesting lecture on "Chaotic Communication - Communication with Chaotic Dynamical Systems". We were also honored with the visit of the 2015 IEEE – Signal Processing Distinguished Lecturer Prof. Hamid Krim of the North Carolina State University (USA) on May 2015. Prof. Krim talked an excellent lecture on "SENSOR AND SOCIAL NETWORKS: A CASE FOR TOPOLOGICAL DATA ANALYSIS" (see photo).

ITEAM and SEIDI

ITEAM researchers have been awarded three grants from the National Programme for the Promotion of Talent and Its Employability of the Secretary of State of Research, Development and Innovation (SEIDI), within the Ministry of Economy and Competitiveness (MINECO). These grants will allow iTEAM hiring three young engineers who will be working at the R&D laboratories of Optical Communications, Signal Processing and Multimedia Applications. They will learn advanced technological skills in their respective fields in order to increase their expertise and employability.

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ITEAM-UPV participates in SMPTE 2015 Annual Technical Conference and Exhibition

For the third year, ITEAM-UPV participates in the most prestigious audiovisual sector congress, "SMPTE 2015 Annual Technical Conference and Exhibition", to be held from 26 to 29 October in Hollywood, California. Researchers from ITEAM-UPV will present their results in the field of scalable video coding for future broadcasting services in Ultra-HD with high frame rate, by using the new HEVC standard.

iTEAM-UPV will participate in WIBEC, an Innovative Training Network under H2020

The Group of Mobile Communications (MCG) of ITEAM will participate in the European project Wireless In-Body Environment Communications (WIBEC). This project, which will start in January 2016, is an Innovative Training Network that aims to train excellent researchers in the field of wireless communications inside the body. This project will have a duration of 4 years during which 16 researchers will be trained in 8 European institutions, among them, ITEAM from UPV.

WIBEC consortium is coordinated by Oslo University Hospital from Norway and is composed of 3 universities (Norges Tekninsk-Naturvitenskapelige Universitet, Norway; Universitat Politechnica de Valencia, Spain; and Technische Universität Dresden, Germany); 3 companies (Sorin CRM, France; Ovesco AG, Germany; and ValoTec, France); and 2 university hospitals (Instituto de Investigación Sanitaria La Fe, Spain; and Oslo University Hospital, Norway).

WIBEC is one of the 121 proposals funded by the European Commission between the 1320 proposals received from all European countries.

Prof. Capmany Receives the Prestigious Distinguished Scientist Award From the Chinese Academy of Sciences

Prof. José Capmany has been awarded one of the prestigious 2015 Fellowships for Distinguished Scientists under the Chinese Academy of Sciences (CAS) President's International Fellowship Initiative (PIFI). This programme supports highly-qualified international scientists to work and study at CAS institutions and strengthen their scientific collaboration with CAS researchers.
Under this framework, Professor Capmany gave a course on Microwave Photonics at the CAS Institute of Semiconductors in Beijing last October and met with the Institute officials to formalize research collaboration agreements and future PhD and Postdoc exchanges.

41st European Conference in Optical Communications (ECOC) 2015

Last October, the 41st European Conference in Optical Communications (ECOC) 2015, the biggest optical communication conference in Europe, was celebrated in Valencia from 27th September-1st October, attracting more than 5000 visitors. ECOC was organized in Valencia thanks to Prof. Jose Capmany and Prof. Salvador Sales, chair and technical chair, respectively, and their organizing team from iTEAM UPV.
Outstanding optical communications breakthroughs were presented during ECOC, ranging from incipient photonic integrated circuit processors to optical connected and flexible data-centers, with the participation of more than 1500 participants and more than 500 industrial exhibitors. Among the research activities, a special symposium centered in the International Year of Light 2015 was celebrated. Worth to mention the first ever rump session for young researchers about the future of photonics with more than 400 attendees during ECOC. The overall research, exhibition and social activities organized by the local committee and iTEAM made this first ECOC visit to Spain in the 21st century an unforgettable event.

EU project METIS-II hosts workshop on 5G system with 5G PPP projects

Researchers from Europe and the rest of the world met in september in Kista for a two-day workshop hosted by METIS-II for collaborating on the future 5G system. The Mobile Communications Group of ITEAM is one of the partners of METIS-II project, which is the continuation of the previous project METIS, focused on radio aspects for future communication networks.
The workshop gathers 11 of the 5G PPP projects (5G-NORMA, 5G-XHAUL, COHERENT, Euro 5G, Fantastic 5G, Flex5Gware, METIS II, mmMAGIC, SELFNET, SPEED-5G, XHAUL), and topics like scenarios and evaluations of 5G system will be treated along with discussions on spectrum. The workshop is a significant effort of the project METIS-II, which aims to bring the European research activities on 5G together, to enable collaboration among the ongoing projects to create a unified European view, and to ensure a successful start of standardisation of 5G system in the next years.
METIS-II is a project with 23 partners co-funded in the European H2020 research programme with a budget of 8 M€. Ericsson is the project coordinator and Nokia Networks is the technical coordinator. Further partners are Alcatel Lucent, Deutsche Telekom, Huawei, iDate, Intel, ITRI, Janmedia Interactive, KTH, NTT DOCOMO, NYU, Orange, Samsung, Telecom Italia, Telefónica, University of Kaiserslautern, Universitat Politècnica de València and WINLAB.

David Gómez Barquero, a researcher from the iTEAM-UPV as Vice Chairman of the ATSC 3.0

David Gomez Barquero brings unique perspectives as an international standards expert, researcher and academic to his important role as Vice Chairman of the ATSC 3.0 Modulation and Coding Ad-Hoc Group, a key participant in the development of the Physical Layer that's speeding toward Candidate Standard status this month.