THE CONCEPT OF PROSUMER

CITCEA UPC has begun to participate in EMPOWER, a European project whose aim is to promote the concept of prosumer (producer and consumer at the same time) and analyse which technologies and services are needed to create local electricity markets that allow energy exchange. To demonstrate the feasibility of an energy scenario in which citizens participate in energy management, three pilot studies will be implemented in Norway, Germany and Malta.

The project is part of the H2020 programme. It is funded by the European Commission, and seven organizations collaborate in addition to CITCEA UPC: Schneider Electric, Smart Innovation Østfold (SMARTIO), Fredrikstad Energi Nett (FEN), the University of St. Gallen (UNISG), Malta Intelligent Energy Management Agency (MIEM) and Newen Projects GmbH.

THIRD EDITION OF THE GRAPH-TA WORKSHOP

El Data Management Group (DAMA UPC) has held the third edition of Workshop Graph-TA (Graph Technology and Applications), a space for presenting and discussing the most advanced results in graph research. The workshop was attended by international experts from different communities: computer science researchers in the fields of database technologies and management, pattern recognition and graph algorithms; professionals who use graphs in their applications, and researchers in mathematics and physical sciences. The opening address was given by PhD. Fernando Orejas, the UPC vice-rector for Research Policy, and other contributors included PhD. Xavier López, Senior Director, Product Manager of Oracle and PhD. Yinglong Xia, researcher of IBM.

NRG.LAB: NEW SPIN OFF OF SEER UPC

NRG.Lab was created by the Renewable Electrical Energy Systems (SEER UPC) centre as a result of research carried out by the centre and promoted by PhD. Álvaro Luna, PhD. Jose Ignacio Candela and PhD. Juan Rocabet.

NRG.lab offers engineering services related to advanced management tools for power control and processing in the area of electrical systems. It provides solutions for the advanced development of prototypes, demonstrators, trial equipment and systems, which contribute to the search for future electrical systems.
II WORKSHOP ON R&D MANAGEMENT

CIT UPC has collaborated in the organization of the second edition of the Workshop on R & D Management, held on 9 April at the UPC School, as part of the postgraduate programme of the same name. The opening presentations described international good practices in professional research activity and were given by the CIT UPC and the Hospital Sant Joan de Déu. The aim was to show how to optimize the activity of a research centre or group. The workshop was comprised of over 15 short interventions through which key aspects of research direction and management and the project life cycle were discussed. Other collaborators were BDigital and the University of Coimbra.

COMPLETION OF THE METAL-INNOVA PROJECT

On 15 April, the final meeting of the Metal-innova project was held. At this event, results were presented for these three years of collaboration to promote innovation projects for companies in the metal sector. During the session, innovation experiences were presented by the companies INDO and Industrias Puigjaner, as well as projects carried out by the Fundación CIM and Tecnalia. The company JJUAN and the partners in the ViaMéca project and IFMA presented projects that have arisen as a result of work carried out as part of Metal-innova. Likewise, participants reflected on the possible continuity and funding of the project.

Metal-innova formed part of the European Interregional Cooperation Project (INTERREG IV B SUDOE). The partners included the CIT UPC, the UPM (coordinator), FVEM, ViaMéca, AIDA and IFMA.

CIT UPC AT HISPACK AND BTA 2015

The UPC, through its CIT UPC technology centre, has taken part in the Hispack and Barcelona Food Technologies (BTA) 2015 fairs. During meetings with companies present at the fairs, technologies related to these sectors were presented, particularly those related to reducing energy consumption and the development of new industrial machinery.

TECHTRAINING

NEXT COURSES 2015

- Creación de geo-aplicaciones web con Angular (11th May)
- APPC: Sistemas de Análisis de Peligros y Puntos de Control Críticos en la industria alimentaria (19th May)
- Accionamientos mecánicos en el diseño de máquinas (26th May)
- Norma y ensayos de compatibilidad electromagnética y seguridad eléctrica (1st June)
- Creación de rutas guiadas (12th June)
- Compatibilidad electromagnética en el diseño electrónico (29th June)
JORGE MONTERO, SELECTED AS AN EXPERT FOR THE BARCELONA SMART CITY APP HACK

Jordi Montero, a researcher with inLab FIB UPC, has been selected to form part of the group of experts who will guide and support participants of the Barcelona Smart City App Hack. This is an international project led by Barcelona, which seeks to find digital solutions for smart cities and will focus on five areas: urban mobility, energy and emission, culture and tourism, shopping and retail and the collaborative city. At the Smart City Expo World Congress, the winners will be announced during the Final Gala.

PAU FONSECA, RESEARCHER OF INLAB FIB: "THE SUM OF DIFFERENT DISCIPLINES IS KEY TO KNOWLEDGE TRANSFER"

Pau Fonseca i Casas holds a doctoral degree in Statistics and Operations Research from the Universitat Politècnica de Catalunya · Barcelona Tech, and is part of the Information Modelling and Processing (MPI) research group, which is attached to inLab FIB, a CIT UPC Member Center.

On this basis of his doctoral thesis on models that simulate the graphic representation of knowledge, and with the help of his brother Antoni, an architect, Fonseca has created software […] +Read more.

THE UPC, AMONG THE BEST UNIVERSITIES IN THE WORLD IN ARCHITECTURE AND CIVIL ENGINEERING, ACCORDING TO THE QS WORLD UNIVERSITY RANKINGS BY SUBJECT

On 29 April, the QS World University Rankings by Subject 2015 was published, in which the UPC was situated in position 22 in the world, seventh in Europe and the leader in Spain in the area of Architecture and the Built Environment. In addition, it went up from position 36 to 35 in Civil and Structural Engineering, an area in which it remains among the top 50 institutions in the world and the tenth in Europe. In this ranking, the UPC is among the 100 leading institutions in the world in the areas of Architecture and the Built Environment (a discipline that is analysed for the first time and

ENAC ACCREDITATION FOR CALIBRATIONS AND DOSIMETRY TESTING

The Calibration and Dosimetry Laboratory at the UPC Institute of Energy Technologies forms part of the Dosimetry and Ionising Radiation Area of the Biomedical Engineering Research Centre.
SEVENTH SURVEY OF SOCIAL PERCEPTIONS OF SCIENCE

The Spanish Foundation for Science and Technology (Fecyt) presented on 23 April the Seventh Survey of Social Perceptions of Science and Technology, which shows a 12% improvement in the population's view of science in the last two years. Notably, young people between 15 and 24 years old are the most interested in science, and the interest of men in these subjects is generally twice that of women. Internet is the main source of science information for 39.8% of the population, and Wikipedia the first source consulted on the internet (32.7%), followed very closely by general digital media (31.5%) and social networks (30.8%).

NEW TECNIOSPRING CALL

During the first two weeks of May, the conditions for the fourth TECNIospring call will be announced. This is a programme of grants for TECNIO centres to hire research staff, promoted by ACCIÓ, in order to boost: the incorporation of scientific talent into the Catalan innovation and research system, the establishment of strategic international partnerships, and the capacity of Catalonia to have an international impact in the field of research and innovation. The TECNIospring programme is jointly funded by the EU through Marie Curie Actions, as part of the Seventh Framework Programme.