CISTER Quicknews

VISIT BY BRAZILIAN UNIVERSITIES

CISTER was visited by Representatives from several Federal Universities in Brazil as part of their visit to IPP. Carlos Ramos, vice-president of IPP, visited CISTER along with this group of rectors. A presentation and tour of the facilities was arranged wherein the core goals of the lab, recent results in terms of projects and academic contributions were discussed. Long term collaborations with academia and Brazilian companies like Embraer were also presented.

ANOTHER PHD FROM CISTER'S RANKS

Manil Dev Gomony, adviced by Benny Åkesson from CISTER, has successfully defended his PhD thesis at TU/Eindhoven entitled "Scalable and Bandwidth-Efficient Memory Subsystem Design for Real-Time Systems". The thesis proposes an architecture for a real-time memory subsystem that scales well in terms of area and maximum synthesizable frequency with an increasing number of memory clients. Manil managed to have a paper accepted at the DATE conference every year during his PhD.

Currently, Manil works as a Researcher at Bell Laboratories of Alcatel-Lucent in Belgium. We wish him the best of luck in his future career!

AWARDS AND RECOGNITION AT CONFERENCES

We are proud to announce that Benny Åkesson co-authored the paper "Mode-Controlled Data-Flow Modeling of Real-Time Memory Controllers" which received the best paper award at the 13th IEEE Symposium on Embedded Systems for Real-Time Multimedia (ESTIMedia) on October 8-9th, in Amsterdam, The Nederlands.

CISTER PARTICIPATION

Ashley Workshop

Benny Åkesson and Eduardo Tovar participated in the academic workshop of the ASHLEY project (Avionics Systems Hosted on a modular distributed electronics Large scale demonstrator for multiple types of aircraft) held in Lisbon. Many partners of the consortium including Airbus, Thales, Dassault, GE Aviation Systems, Alenia, SAAB, SAGEM, European Aeronautic Defense Company, DIEHL and other research institutes, national and international universities participated in the event.

ICT 2015

CISTER Researchers Luis Miguel Pinho, Luis Lino Ferreira and Raghuraman Rangarajan represented the research centre in the ICT 2015 conference.

The conference, held in Lisbon, promotes European ICT Research & Innovation and presented the latest news on the European Commission's new policies and initiatives with regard to R&I in ICT and interactive exhibitions on EU projects.

The event offered an exceptional opportunity to build quality partnerships as it connected academia, research institutes, industrial stakeholders, SMEs and government actors from all over Europe. Luis Lino Ferreira also represented the Arrowhead project at its booth and was a speaker in the networking session on "IoT based automation for production", where he represented the MANTIS project.

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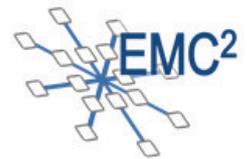
MULTIPLE PROJECTS MOVE AHEAD

Ramiro Robles attended the 12th Meeting of ISO/IEC JTC 1/WG 7 Sensor Networks and the associated ISO workshop in September, in Singapore. The purpose of the event was to present the DEWI project and is part of the standardization activities of DEWI (dependable embedded wireless infrastructure). The project DEWI raised lots of interest in the ISO committee, especially in the 21 use-cases of DEWI as an example of the applicability of the ISO standard.

António Barros participated in the EnerGAware project meeting held in Plymouth, UK in September. CISTER leads WP4 which addresses the deployment of an energy (electricity and gas) monitoring infrastructure to determine baseline energy consumption and, in the future, to observe effects of the game on the energy saving habits of families (under development). CISTER defined, together with Advantic Systems (energy monitoring solution provider) and DCH (social housing organisation), a technical solution addressing the diversity of electricity and gas meters in the project. The deployment of this remote monitoring infrastructure will start in November.

Researchers Michele Albano and Luis Ferreira took part in the Arrowhead Multi-Work Package meeting in September in Brussels. The event discussed the preparation of the public workshop in Stockholm in December, joint discussion on open issues of Arrowhead architecture and definition of technical goals for generation 3 of Arrowhead project. CISTER has active participation in all the above items.

David Pereira participated in the EMC2 project meeting in Vienna in September. The main objective was to report the contribution of CISTER in the various work packages, and to discuss the next steps with the upcoming second year review.

PARTICIPATION IN INFORUM 2015

CISTER researchers participated on INFORUM 2015 which was held in Covilhã. INFORUM is an annual conference in which the Portuguese community of researchers in Computer Science gets together to discuss their work. Luis Lino Ferreira was the chair of the real-time and embedded systems track. Luis Miguel Pinho made two presentations on P-SOCRATES and CONCERTO projects. Filipe Pacheco participated as PC member of the Ubiquitous and Mobile Computing track. Filipe also co-authored the paper "Social Media Integration in Video Games: A Social Overlay for Desktop Games" which made it to the nominee list for the Best Paper Award.

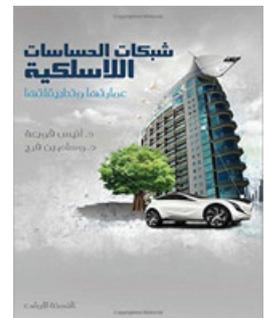## KICKSTART OF 2015-16 PERIODIC SEMINAR SERIES

The new season of CISTER Periodic Seminar Series started in September after the summer break. The seminars present advances and challenges in selected areas of real-time and embedded systems, aligned with the research lab's focus, and for initiating collaborations between junior and senior researchers.

The bi-weekly presentations (30 till now) are publicly available on the CISTER Youtube Channel.

PUBLICATION OF WSN BOOK IN ARABIC

CISTER researcher Anis Koubaa published an arabic edition of his book on Wireless Sensor Networks entitled "Wireless Sensor Networks: Architecture and Applications".

The book is one of the few references in WSNs available in the Arabic language.

We're on

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Real-Time & Embedded Computing Systems