

# Research Day 2012



## PROGRAMME

**09:30 - 09:45**  
Reception

**09:45 - 09:55**  
Opening by the Rector, Prof. Manuel Amargão

**09:55 - 09:45**  
Keynote talk: **Mauro Almeida Santos (OCMA)**

**09:45 - 11:00**  
**EEETA**  
Plastic processing vehicle identification with RFID tags, André Zigueiro

**CLC**  
Clarett Dickens and Modernity, Anthony Baker

**ISI-FSCORD**  
Physical properties and applications of silicon nanoparticles, Rui Pereira

**OCMA**  
Inversion of the 100y-Rubin transform in SOCs via Gabor frames and principles of sparse recovery, Ueli Kübler

**GOVOPF**  
Economically Sustainable DEMography - Resolving Decline in Peripheral Regions, Eduardo Anselmo de Castro

**11:00 - 11:30**  
Posters + coffee break

**11:30 - 13:00**  
Posters

**13:00 - 14:30**  
Lunch

# research day

## 13 JUNE '12

**14:00 - 15:15**  
Keynote talk: **Robert Y. Siegert (ETH)**

**15:15 - 16:00**  
**OCICO**  
Dedicated microscopes in the 21st century: beyond imaging, Pedro Jorge Jan da Costa

**SECOMTEC**  
Methylene blue and Orange II removal by kaolin and metal-oxides adsorption and photocatalytic activity, Shikha Arshinbasava

**EDTFF**  
Experiences based science teaching in Basic Education: evaluation of the impact of a national teacher education programme, Patricia Sá

**IT**  
Engineering Quality Communication Systems, Américo Pinto

**CEAM**  
**LACORNE** - Integrated water resources and coastal zone management in European regions in the context of climate change, Ana Isabel Libeira

**16:00 - 17:00**  
Posters + coffee break

**17:00 - 18:00**  
Dinner + evening program



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For the 2nd consecutive year, Research Day celebrated the University of Aveiro's research achievements, providing for an opportunity to foster the interdisciplinary sharing of good practice in research and a vehicle for promoting effective collaboration among researchers and departments.

The major goal of the Research Day is to celebrate the quality of research across all departments and research centres of the University. On the Research Day 2012, held last June 13, some of the outstanding research outcomes achieved were presented and shared by postgrad students, researchers and professors.

10 high-quality lectures and 156 posters were presented, so all members of the University community learned about the research carried out at the University in the most varied fields. A panel of specialists evaluated the studies presented and prizes were awarded to the best 3 poster presentations in the fields of Arts & Humanities, Sciences and Engineering, as well as 6 honorable mentions.

Furthermore, Roland Y. Siegwart, Vice President for Research and Corporate Relations, from the Swiss Federal Institute of Technology Zurich (ETH) and Mário Almeida Santos, Quality and Development Engineering Director at OGMA, enriched the program with high-level and interesting keynote talks and attracted over 800 attendees from the University.

The University's researchers are actively engaged in a wide variety of cutting-edge investigation with high impact in society, and the event attracted the Portuguese media. The NAPIS - Navy Positioning and Identification Systems, developed by the University of Aveiro in collaboration with the Portuguese navy was highlighted in the news, as well as other R&D projects at UA.

By promoting this research, knowledge sharing and enhancement event, the University of Aveiro ensures that experience, good practice and know how are capitalized within and across departments and research centres at the campus.





