



IC1301 -WiPE

Wireless Power
Transmission for
Sustainable Electronics

Grant Holder Presentation

Pedro Miguel Cruz

Institute of Telecommunications – University of Aveiro





Instituto de Telecomunicações (IT)

» Mission

To create and disseminate scientific knowledge and foster advanced training in the field of telecommunications

Instituto de Telecomunicações (IT)

» IT Sites

Aveiro | Coimbra | Lisboa



» Members

- Instituto Superior Técnico (IST)
- University of Aveiro (UA)
- Faculty of Sciences and Technology,
 - University of Coimbra (UC)
- ▶ Portugal Telecom Inovação (PTIN)
- Nokia Siemens Networks (NSN)
- University of Beira Interior (UBI)
- University of O'Porto (UP)
- Instituto Superior de Ciências do Trabalho
 e da Empresa (ISCTE)

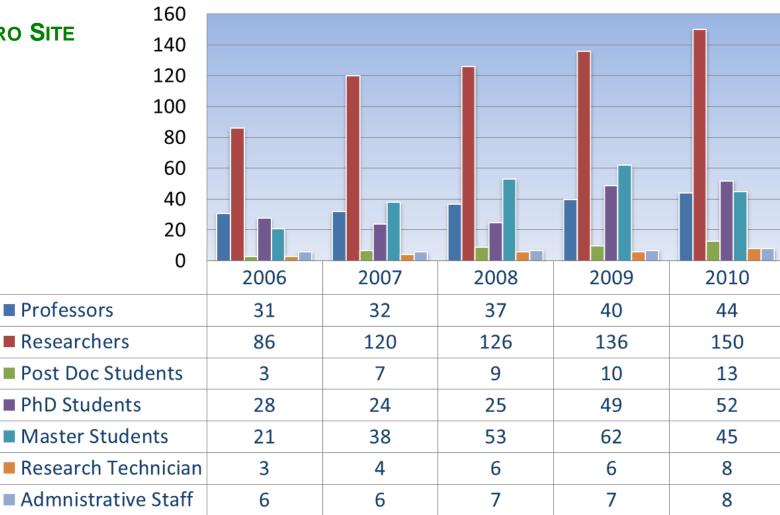


Internal Scientific Organization

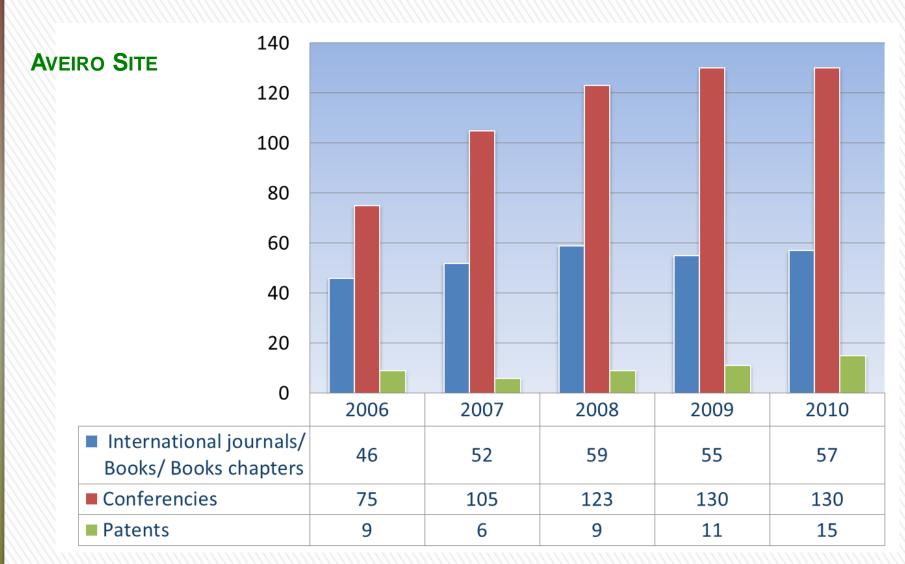


Personnel Resources

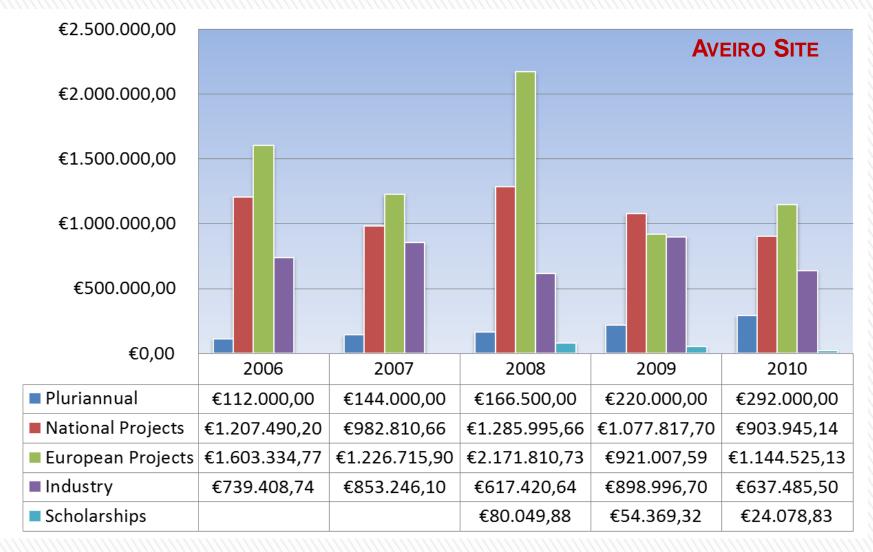
AVEIRO SITE



Publications



Funding (2006 – 2010)



EU 7th FP - ICT "top-10"

Entities with more participation in projects	Entities of the higher budget projects
Alcatel-Lucent	Ericsson
Nokia-Siemens	Alcatel-Lucent
Ericsson	France Telecom
Telefonica	Commissariat à l'Energie Atomique (CEA)
Fraunhofer Institute	Nokia-Siemens
France Telecom	Fraunhofer Institute
Universitat Politecnica de Catalunya	Thales
Instituto de Telecomunicações	Telefonica
Commissariat à l'Energie Atomique (CEA)	Instituto de Telecomunicações
Groupe des Ecoles des Telecommunications (GET)	Motorola
Motorola	NEC
Interdisciplinair Instituut voor Breeband Technologie (IBBT)	Interdisciplinair Instituut voor Breeband Technologie (IBBT)





Institute of Telecommunications

Highlights







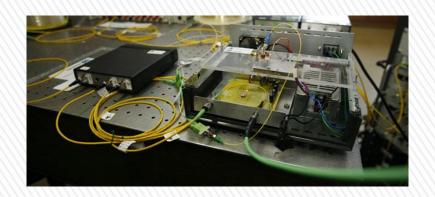
- » 10Gb/s WDM PON ONT: internet @ "light speed"
 - > Prototype demonstration
 - > Supported by Portugal Telecom







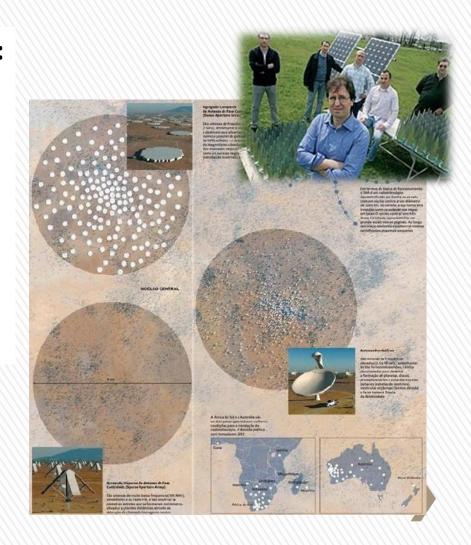




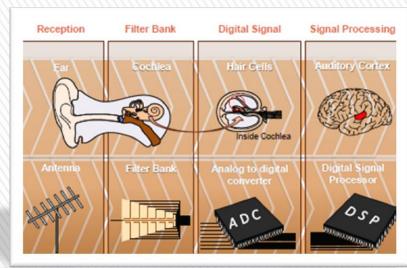


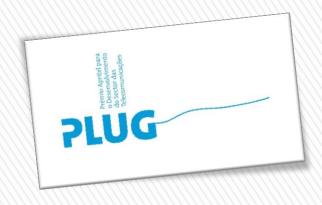
- » SKA Square Kilometer Array: the world's largest telescope
 - It is one of five major scientific projects of the century, with the participation of Portugal
 - It is a telescope that will spread a circle of 3000 km in diameter and will be ready in 2020





- » Cochlear Radio: an analog to digital converter system for SDR
 - This work was awarded the 1st 2010 Plug prize for developments in the telecommunications sector from APRITEL







Fraunhofer Portugal Challenge2011 – Awarded Ideas

> PhD Category

- + 1st Place: "Electronic Marketplace for Teleradiology Services", Daniel Polónia
- + 2nd Place: "Visible Light Communication for Advanced Driver Assistance Systems", Navin Kumar

> MSc Category

+ 1st Place: "Design of a Battery-free Wireless Sensor Node", Ricardo Fernandes







Highlights

- » IEEE MTT-S International Microwave Symposium 2013: Student Awards
 - > IEEE MTT-S Graduate Fellowship
 - + Alírio Boaventura (PhD Student)
 - Student Competition: SDR and DSPDesign Undergraduate Competition
 - + André Prata (MSc Student)
 - > Student Competition: SDC-LSNA MTT-11 Measurement Competition
 - + Diogo Ribeiro (PhD Student)















Grant Holder Information

http://www.ua.pt/it

Grant Holder Information

» Before / during the meeting

- > Please answer as soon as possible in e-cost platform, so that we can fund the maximum number of people
- > Please sign the attendance list everyday if not reimbursement cannot be processed
- > Preferably deliver the original TRR form signed (in blue) in person

» After the meeting

- > If not delivered at meeting, TRR form should be mailed by post until 30 days after the meeting to get the reimbursement
- > Send by email all the <u>receipts of plane, transportation, taxi, car</u> <u>rental and maps</u>, etc.
- > Reimbursements will be made only after the TRR form is delivered
- > IT will adhere to ONLINE STRONG AUTHENTICATION TRR FORMS



Grant Holder Information

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» GH Secretariat

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Acknowledgment





Grateful for your Attention!

