Short CV

Jorge Manuel Miranda Dias
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http://paloma.isr.uc.pt/jdias

Jorge Dias has an "Agregação" (Habilitation) degree[1] and a Ph.D. on Electrical Engineering by the University of Coimbra, specialization in Control and Instrumentation. Jorge Dias have been Associated Professor at the University of Coimbra with activities in the Department of Electrical Engineering and Computers (www.deec.uc.pt) and the Institute of Systems and Robotics (ISR) (www.isr.uc.pt) from the University of Coimbra (UC) (www.uc.pt). Jorge Dias do research in the area of Computer Vision and Robotics and has contributions on the field since 1984. He has several publications in international journals, books, and conferences. Jorge Dias has been teaching several courses on Computer Vision, Robotics, Automation and Electrical Engineering and Computer Science and supervised several Ph.D. and Master students in the field of Computer Vision and Robotics. Jorge Dias was been principal investigator from several research international projects. Jorge Dias coordinated the Mobile Robotics Laboratory from Instituto of Systems and Robotics and the Laboratory of Systems and Automation (LAS) (http://las.ipn.pt) from the Instituto Pedro Nunes (IPN) (www.ipn.pt). Instituto Pedro Nunes (IPN) is a technology transfer institute from University of Coimbra. Jorge Dias it was Vice-President from the Instituto Pedro Nunes (IPN) since June 2008 to June 2011.

ACADEMIC DEGREES

- Agregação (Habilitation) degree by the University of Coimbra, October 2011.
- Ph.D. on Electrical Engineering by the University of Coimbra, specialization in Instrumentation and Control, November 1994.
- Thesis of Scientific and Pedagogical Ability from the Faculty of Science and Technology from the University of Coimbra, February 1988.
- Electrical Engineer Degree (specialization on Computers) by the Faculty of Science and Technology from the University of Coimbra on July 1984.

RESEARCH & ACADEMIC ACTIVITY

- Associated Professor (tenure position) from the Department of Electrical Engineering and Computers (DEEC) from University of Coimbra (UC) – since 2000.
- Coordinator of MRL Mobile Robotics Laboratory from the ISR– UC http://mrl.isr.uc.pt.
- Chair of Scientific Council of Department of Electrical Engeneering and Computers (DEEC-UC) between Dec. 2005 and March 2008. www.deec.uc.pt.
- Associated Professor from the (DEEC) (tenure position) – University of Coimbra (UC)
- Director of LAS-Lab. for Systems and Automation from IPN – Inst. Pedro Nunes (UC) http://las.ipn.pt since December 2001.
- Vice-President of IPN – Institute Pedro Nunes (for technology transfer) since June 2008 – June 2011(www.ipn.pt)
- Vice-President of IPN INCUBADORA (spin-off incubator) since June 2008 – June 2011 www.ipn-incubadora.pt
- Member of Programme Board for HUMAN SPACEFLIGHT, MICROGRAVITY AND EXPLORATION representing the Portuguese Delegation to ESA – European Space Agency (http://www.esa.int) from Portuguese Foundation for Science and Technology, Ministry of Education and Science (http://www.fct.pt/apoios/cooptrans/espaco/index.phtml.en) – since November 2012
- Senior Member of IEEE - Institute of Electrical and Electronics Engineers (www.ieee.org) - the world's largest professional association for the advancement of technology.

[1] Agregação – A degree equivalent to Habilitation/Agrégation. Is the highest academic qualification a scholar can achieve by his or her own pursuit in several European countries such as Portugal. Earned after obtaining a research doctorate (PhD), the "agregação" (habilitation) requires the candidate to write a professorial thesis (often known as a Habilitationsschrift, or Habilitation thesis) based on independent scholarship, reviewed by and defended before an academic committee in a process similar to that for the research doctoral dissertation.

- President of IEEE Portuguese Chapter for IEEE-RAS (Robotics and Automation Society) (http://ieee-ras.isr.uc.pt) - 2009 - 2012
- Member from the Advisor Board from Portuguese Electrical Vehicle Association - APVE (http://www.apve.pt) since December 2012

Jorge Dias, since 1984, researches and teaches in the area of Computer Vision and Robotics and has contributions in the area with several publications that include 39 publications in international journals, 2 books, 15 books chapters, and 247 articles in international conferences with referee.

Along these years Jorge Dias had been very active professionally and his activities included teaching and training. Jorge Dias was responsible by the coordination and teaching of more then 25 courses for Electrical and Computer Engineering degrees, Biomedical Engineering degrees and Informatics Engineering degrees at PhD and Master level. Jorge Dias was been responsible for the supervision of students of 10 PhD thesis all them them finalized. Before the Academic Reform of 2007 (European Higher Education Area) Jorge Dias was been responsible by supervision of 8 Master thesis (duration of two years after engineering graduation) and more then 50 Electrical & Computers Engineering Dissertations (one year duration) for the course of Electrical and Computers Engineering Degree with five years duration.

The research activities of Jorge Dias have been concentrated in the Mobile Robotics Laboratory from Instituto of Systems and Robotics. The Institute of Systems and Robotics from University of Coimbra was awarded the outstanding grade "Excellent" as a result of the last R&D Portuguese Unit Evaluation, being the only Electrical and Computer Engineering unit (among a total of 25 nationwide) to receive such a distinction.

Under Jorge Dias's coordination, the Mobile Robotics Laboratory have been involved in over a dozen international projects, CyberMove - Cybernetic Transportation Systems for the Cities of Tomorrow (EC-RTD Project, EVK4 – 2001), VISOR - Visual Perception System for a Social Robot (EURON-European Robotics Research Network) , IRPS - Intelligent Robotic Porter System (EU-IRPS FP6-IST-45048) , BACS - Bayesian Approach to Cognitive Systems (FP6-IST-027140), PROMETHEUS - Prediction and interpretation of human behaviour based on probabilistic structures and heterogeneous sensors (FP7 - 214901) and HANDLE - Developmental pathway towards autonomy and dexterity in robot in-hand manipulation (FP7-2008– 231640), Social Robot (FP7 Marie Curie - 285870) and in over 25 national projects: CHOPIN - Cooperation between Human and rObotic teams in catastroPhic Incidents, TICE Mobilidade, TICE Healthy, DIVA – Dirigível Instrumentado para Vigilância Aérea.

Jorge Dias, have been active in technology transfer activities through the Laboratory of Automatics and Systems (LAS) (http://las.ipn.pt) from the Instituto Pedro Nunes (IPN) (www.ipn.pt). He is coordinator of the Laboratory of Systems and Automation (LAS), which is a technology, transfer laboratory with a formal link with from University of Coimbra. Jorge Dias was Vice-President from the Instituto Pedro Nunes (IPN) before joining Khalifa University at 2011 on a leave of absence from University of Coimbra. He supported the genesis of two spin-off companies.

Since 1993, Jorge Dias was been principal investigator from several research projects with 24 of them oriented to research in total grant of around 3.8 millions of Euros and 11 projects of technology transfer in a total grant of 1.9 millions of Euros.

The updated version of current activities is available at the link http://paloma.isr.uc.pt/jdias .