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Miércoles 29 de Marzo de 2017

1ª JORNADA DE DOCTORADO 2017

Programa de Doctorado en

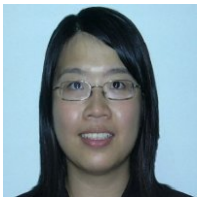
TECNologías Industriales y de Telecoumincación

PROGRAMA DE LAS JORNADAS

Aula Plató Edificio INNOVA

29 de Marzo 2017

9:00 – 9:50 PV PANEL MODELLING AND IDENTIFICATION



Dr. Idris Lim

Universidad de Glasgow-Singapur

Biography: Dr. Idris Lim received her PhD from the National University of Singapore, Singapore in 2008. From 2008 to 2012, she led the control and system development in a flagship project for Vestas Technology R&D, which was funded by the Danish Agency for Science, Technology and Innovation. Since 2013, she is an Assistant Professor with the University of Glasgow, UK and is based in Singapore. She has filed five patents and published two book chapters, as well as over twenty international journals and conferences. Her research interests are in modelling and parameter identification of PV panels, as well as energy forecasting.

9:50 – 10:40 LYQUID CRYSTALS: ROTATING MOLECULES FOR TUNABLE OPTICS

Prof. Kristiaan Neyts

Ghent University, Belgium

Biography: He received a degree in physics engineering in 1987, a doctoral degree in engineering in 1992 and became professor in the ELIS department in 2000 after post-docs in Ghent and Berkeley. He is co-author of over 200 papers in the Web of Science core collection. The Liquid Crystals and Photonics Group (LCP) has now 5 professors, 2 post-docs, 14 PhD students and 6 master thesis students. The group is involved in UGent (IOF, BOF), national (FWO, IWT, IAP), European and bilateral sponsored projects. The LCP group is one of 7 research groups that have joined in the UGent sponsored Multi-disciplinary Research Network called Center for Nano- and Bio-Photonics.

10:40 – 11:00 Café

11:00 – 11:50 COOPERATIVE AND AUTOMATED DRIVING: THE ONLY WAY TOWARDS AUTONOMOUS MOBILITY-ON-DEMAND SYSTEMS?

Dr. Jorge Villagra

Senior Scientist, head of Autopia Program (UPM-CSIC)

Biography: Jorge Villagra graduated in Industrial Engineering at the Universidad Politécnica of Madrid in 2002. He received his PhD in Real-Time Computer Science, Robotics and Automatic Control at the École des Mines de Paris (France) in 2006. From 2007 to 2009 he held a position of Visiting Professor at the University Carlos III (Spain). He then received a 3 year JAEDoc fellowship at the AUTOPÍA Program in the Center for Automation and Robotics UPM-CSIC (Spain). From 2013 until 2016 he led the Department of ADAS and Autonomous Driving Systems at Ixion Industry & Aerospace SL. He is leading AUTOPÍA Program at CSIC since October 2016. He has been involved in 25 research projects - 8 European, 13 national and 4 private contracts. He is or has been IP of 9 of these projects (6 european, 3 national). He has published over 80 papers in international journals and conferences on cooperative and automated driving, data-driven or model-free control and new probabilistic approaches for embedded components in autonomous vehicles.

11:50 – 12:10 Técnicas de sensado de dispositivos FBG basadas en fotónica de microondas

Juan Clement

12:10 – 12:30 Localización de Robots usando imágenes omnidireccionales y descriptores de apariencia global

Yerai Berenguer

12:30 – 12:50 Diseño mecánico de exoesqueleto de mano y pruebas preliminares

Jorge Antonio Díez

12:50 – 13:10 Caracterización dieléctrica de tejidos biológicos

Carlos Gabriel Juan Poveda

13:10 – 13:30 Nanopartículas semiconductoras con recubrimientos mixtos para la mejora de dispositivos optoelectrónicos orgánicos

Fernando Rodríguez

13:30 – 13:50 Sistema óptico para la caracterización espectral de retardadores en el rango visible e IR

Abdelghafor Messaadi

13:50 – 14:10 Nuevo método para el análisis de ruido y vibraciones (NVH) en vehículos

Ginés Carvajal