



The
University
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Sheffield.

Automatic
Control and
Systems
Engineering

The Department of Automatic Control & Systems Engineering
is pleased to announce the following seminar:

Mean-Field Games

Dr Dario Bauso

*Reader, Department of Automatic Control and Systems Engineering,
The University of Sheffield*

Wednesday, 30th September 2015 at 14:00

LT01, Sir Henry Stephenson Building

Abstract

This seminar is an introduction to the fundamentals of mean field game theory. Motivations are drawn from engineered/ networked systems, economic and social models. The seminar emphasizes theoretical foundations, mathematical tools, modelling and equilibrium notions.

Biography

Dario Bauso received the Laurea degree in Aeronautical Engineering in 2000, and a PhD degree in Automatic Control and Systems Theory in 2004 from the University of Palermo, Italy. Since 2015 he has been a member of staff in the Department of Automatic Control and Systems Engineering at The University of Sheffield, where he is currently Reader in Control and Systems Engineering. Since 2005 Dr Bauso has also been a member of the Dipartimento di Ingegneria Chimica, Gestionale, Informatica, Meccanica, University of Palermo (Italy), where I am currently Associate Professor of Operations Research. From 2012 to 2014, he was also Research Fellow at the Department of Mathematics, University of Trento (Italy).

Dr Bauso has been an Academic Visitor in several universities. From October 2001 to June 2002, he was a Visiting Scholar at the Mechanical and Aerospace Engineering Department, University of California, Los Angeles (USA). In 2010 he was a short-term Visiting Scholar at the Department of Automatic Control of Lund University (Sweden) and at the Laboratory of Information and Decision Systems of the Massachusetts Institute of Technology (USA). In 2013, he was a Visiting Lecturer at the Department of Engineering Science, University of Oxford (UK) and at the Department of Electrical and Electronic Engineering of Imperial College London (UK).

His research interests are in the field of optimization, optimal and distributed control, and game theory. Since 2010 Dr Bauso has been a member of the Conference Editorial Board of the IEEE Control Systems Society. He is also an Associate Editor of Dynamic Games and Applications since 2011, and of IEEE Transactions on Automatic Control since 2013. He has also been general chair of the 6th Spain, Italy and Netherlands Meeting on Game Theory (SING 6).

*Refreshments will be served in the foyer of the
Sir Henry Stephenson Building following the seminar*