

Teaching Bio & Pedagogical View

Before joining SDU, I held teaching positions for more than ten years at the University of Saragossa (Spain) and Ulster University (UK). As part of my formal pedagogical training, I completed a "Postgraduate Certificate on Higher Education Practice" (Masters level) at Ulster University, and I attended multiple pedagogical training courses at the University of Saragossa and Ulster University. I taught at the undergraduate and master level and guest-lectured at the University of the Basque Country (Spain) and the Ruhr-University Bochum (Germany).

My approach to teaching is a combination of results from pedagogic research and reflective personal experience. I take a constructivist approach in my teaching practice by introducing the subject concepts in a highly structured way to facilitate students to incrementally build their knowledge and skills. Although I appreciate the value of research-led teaching, I believe it is more important to gain a good understanding of the fundamental knowledge and theories of the discipline. I also believe that "a good theory is the best practice" and therefore I try to make use of limit case analysis and thought experiments in my practice.

A fundamental element of this constructivist approach to teaching is to engage students in the learning process, encourage active participation and stimulate reflection on the concepts and ideas they learn, since learning is an active process. In my personal experience, engagement is best achieved through the creation of a relaxed and friendly classroom environment in which the students can feel free to interact with their classmates and with the teacher as peers.

Teaching and Supervision Experience

2018-2020	Underactuated Robotics (BSc, Module coordinator), Mærsk Mc-Kinney Møller Institute, University of Southern Denmark
2013-2017	Mobile Robotics (BSc, Module coordinator), School of Computing and Intelligent Systems, Ulster University (UK)
2015-2017	Computer Hardware (MSc, Module coordinator), School of Computing and Intelligent Systems, Ulster University (UK)
2009-2010	Theory of Signals and Systems (BSc, Module coordinator), Computer Science and Systems Engineering Department, University of Saragossa (ES)
2004-2010	Systems Theory (BEng, Module coordinator), Computer Science and Systems Engineering Department, University of Saragossa (ES)
2005-2010	Automation Systems (BEng), Computer Science and Systems Engineering Department, University of Saragossa (ES)
2006-2007	Artificial Intelligence and Knowledge Engineering (BSc), Computer Science and Systems Engineering Department, University of Saragossa. (ES)
2013-2017	Supervision of 25 BSc projects, 5 MSc projects and 4 PhD students at Ulster University

Teaching Qualifications and Formal Pedagogical Training

2015	Fellow of the Higher Education Academy (UK)
2015	Staff Educational Development Association-Professional Development Framework (SEDA-PDF) Named Award in Supporting Learning with Technology
2015	Postgraduate Certificate in Higher Education Practice, Ulster University (UK)
2008	Evaluation of learning: New approaches. Pedagogical training course (University of Saragossa, Spain)
2006	Project Based Learning. Pedagogical training course (University of Saragossa, Spain)
2006	Teaching to Think: Development of creative thinking. Pedagogical training course (University of Saragossa, Spain)
2006	Motivation in learning. How can we improve the engagement and effort of the students. Pedagogical training course (University of Saragossa, Spain)
2005	Teamwork. Pedagogical training course (University of Saragossa, Spain)

Teaching positions held

2018-	Assistant Professor. SDU Biorobotics. University of Southern Denmark
2013-2018	Lecturer in Cognitive Robotics. School of Computing and Intelligent Systems. Ulster University (UK)
2004-2010	Assistant Professor. Department of Computer Science and Systems Engineering, University of Saragossa (ES)