Ostfalia
University of
Applied Sciences

International Lectures*

26 November – 30 November 2012

Introduction to Epigenetic Robotics

Rodrigo da Silva Guerra, Universidade Federal de Santa Maria, Brasil

Introductory course on Epigenetic Robotics presenting the main research topics related to the theme of cognitive development and its engineering approaches. Epigenetic Robotics (also known as Cognitive Developmental Robotics) is a revolutionary new field focused on the multidisciplinary study of intelligence as the product of a gradual development process of the cognitive abilities in an agent through its interaction with others and with the environment.
Inspired by the powerful cognitive capabilities developed by newborns, researchers bring together findings from fields such as neuroscience, biology and psychology and try to implement pragmatic models using robotics and simulation methodologies. These experiments help both in the design of more intelligent and adaptable robots, as well as they give insights on how the human brain works.

Starting Monday, 26 November, 10:00, Lecture Hall 127

Virtualization Techniques

Temporal and Spatial Partitioning in Embedded Real-Time Systems

Vicent Brocal, Universitat Politecnica de Valencia, Spain

There is a growing interest in enabling multiple applications, with different levels of criticality and security to share a single processor and memory in embedded systems. Temporal and Spatial Partitioning (TSP) software architectures allow to execute these kind of systems. During the lecture the student will learn the kind of requirements of TSP based systems and how to use virtualization technology to achieve these requirements.

Starting Wednesday, 28 November, 14:15, Lecture Hall 127

Ein Semester in Brasilien, Spanien, ...

Informationsveranstaltung zum Informatik-Auslandssemester

Vorbesprechung Brasilien-Exkursion 2013!

Mittwoch, 28. November, 13:30, Lecture Hall 127

* Internationale Vorlesungen - können als Wahlpflichtvorlesungen mit je 2 SWS bzw. 2 Credits anerkannt werden.