



Université
franco-allemande
Deutsch-Französische
Hochschule

4th DFH-UFA meeting “Analyse intelligenter Systeme unter Berücksichtigung von Mehrfeldkopplungen“

TU Dresden, 10. November 2014

09:30 Welcome

Thomas Wallmersperger (TU Dresden), Olivier Polit, Laurent Gallimard, Michele D'Ottavio (Univ. Paris X)

09:45 Signal Processing For The Control Of A Robotic Hand Emulated In An Embedded System

Astrid Rubiano Fonseca, Univ. Paris X

10:15 Design mathematical modelling and simulation of an artificial muscle for a hand prosthesis

José Luis Ramirez Arias, Univ. Paris X

10:45 Modelling of Transport Processes in Biological and Polymeric Membranes

Adrian Ehrenhofer, TU Dresden

11.15 Lunch Break

13:00 A numerical model to investigate the hydrogel swelling behavior

Peter Leichsenring, TU Dresden

13:30 Modeling of Hydrogel-Layer Systems

Martin Wild, TU Dresden

14:00 Modelling of Transport Processes in Biological and Polymeric Membranes

Adrian Ehrenhofer, TU Dresden

14:30 Coffee Break

15:00 Micromechanic Modeling of Carbon Fiber Reinforced Ceramics

Christian Messe, Univ. Stuttgart

15:30 A Magneto-Mechanical Model for Ferrogels

Abdolhamid Attaran, TU Dresden

16:00 possible other presentation and General Discussion

End of workshop at around 17:00