



Fakultät für Ingenieurwissenschaften und Informatik

Informatik-Fachvortrag

Mittwoch, den 30. Juni 2010, 14.15 Uhr
Universität Ulm, Oberer Eselsberg
Gebäude O27, Raum 2203

Herr Prof. Dr. Martin Riedmiller
Machine Learning Lab, Albert-Ludwigs Universität Freiburg

spricht zum Thema

Machine Learning Methods in Intelligent Software Systems

Future computer programs will contain a growing part of 'intelligent' software modules that are not conventionally programmed, but that autonomously learn either from data provided by the user or from experience that the program autonomously collects during its use.

Along this research statement we are interested in building intelligent software architectures, that can perceive their environment, build an internal representation and make appropriate decisions to autonomously reach a predefined goal.

In my talk I will provide examples of how neural network based learning methods can be effectively applied to realize learning in all main parts of such an architecture: perception, representation and decision making, with a particular focus on some recent results on deep learning architectures in a Reinforcement Learning setting.

Es laden ein die Dozenten der Fakultät für Ingenieurwissenschaften und Informatik.

Ulm, den 15.06.2010

gez. Prof. Dr. G. Palm