

## Course

# Simulation based Development of Robot Control and Applications

Roboti juhtimise ja rakenduste simulatsioonipõhine arendus

Dr. Dirk Pensky

## SCHEDULE

### Tuesday 29. November 2011

Goal: Obtain fundamental knowledge of industrial robot simulation

8.30 - 9.00	Registration and morning coffee
9.00 – 9.30	Presentation of Festo Didactic
9.30 – 10.30	Introduction into 3D simulation of industrial automation systems
10.30 – 10.45	Coffee
10.45 – 12.15	Hands-on industrial robot simulation with CIROS Robotics
12.15 – 13.00	Lunch
13.00 – 14.30	Hands-on modeling of industrial robot applications in CIROS Studio – part I
14.30 – 14.45	Coffee
14.45 – 16.30	Hands-on modeling of industrial robot applications in CIROS Studio – part II
16.30 - 18-00	Seminar - wrap up – questions & answers

### Wednesday 30. November 2011

Goal: Be prepared to transfer your solutions to real robot applications

9.00 – 10.30	Multi-robot and production line simulation with CIROS Production
10.30 – 10.45	Coffee
10.45 – 12.15	External evaluation, analysis , and control of robot simulation
12.15 – 13.00	Lunch
13.00 – 14.30	Hands-on transfer to real robot application – part I
14.30 – 14.45	Coffee
14.45 – 16.30	Hands-on transfer to real robot application – part II
16.30 – 18.00	Seminar - wrap up – questions & answers

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- Seminari/kursuse läbinuile väljastatakse **tunnistus**, mis kinnitab **1 EAP** saamist.
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