

Seminar Markovian Robotics

Topics & Literature

Knowledge-Based Systems Group
RWTH Aachen University

Sommersemester 2008

1 HMMs for Speech Recognition

Student: Paul Köhler
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Date: 05.05.2008

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2 HMMs for Complex Action Recognition

Student: Matthias Schiffer
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Date: 05.05.2008

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3 Markov Chain Monte Carlo Data Association

Student: Dan Zhou
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Date: 19.05.2008

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4 MCMC for Topological Maps

Student: Michael Wolf
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5 EKF-Markov Localization

Student: Patrick Jüptner
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6 Monte Carlo Localization

Student: Damian Lukowski
Advisor: Daniel Beck
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7 EKF Visual Tracking (Condensation Alg.)

Student: Deni Raco
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Date: 02.06.2008

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8 Rao-Blackwellised Particle Filter vSLAM

Student: Christian Bien
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9 Markov Decision Processes - Planning

Student: Carsten Cordes
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10 Markov Decision Processes - Learning

Student: Daniel Schmitz
Advisor: Daniel Beck
Date: 09.06.2008

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11 Markov Decision Processes - Advanced Topics

Student: Christian Ferber
Advisor: Stefan Schiffer
Date: 16.06.2008

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12 Semi-MDPs and cont. time

Student: Chitra Hapsari Ayuningtyas

Advisor: Daniel Beck

Date: 16.06.2008

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13 POMDPs

Student: Johanna Nellen

Advisor: Stefan Schiffer

Date: 23.06.2008

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