

I4CS 2015 – Nuremberg Conference Program

Wednesday, July 8th, 2015

9:00 - 10:00 Registration

10:00 - 10:30 Opening

10:30 - 11:30 Invited Speaker 1:
The Exterminator's Tale: Software Bugs and How to Treat Them
Michael Grottke

11:30 - 12:00 Coffee Break

12:00 - 13:30 Session1: Recommendation, Classification & Emotion
Session Chair: Christian Erfurth

How the Distribution of the Number of Items Rated per User Influences the Quality of Recommendations

Michael Grottke, Julian Knoll and Rainer Groß

Multilayer Classification of Web Pages Using Random Forest and Semi-supervised Latent Dirichlet Allocation

Karim Sayadi, Quang Vu Bui and Marc Bui

Happy Hour – Improving Mood With An Emotionally Aware Application

Pedro Carmona, David Nunes, Duarte Raposo, David Silva, Carlos Herrera and Jorge Sa Silva

13:30 - 15:00 Lunch Break

15:00 - 16:30 Session 2: Tracking, Location & eMobility
Session Chair: Gerald Eichler

Correlation Filter Based Visual Trackers for Person Pursuit Using a Low-Cost Quadrotor

Klaus Haag, Sergiu Dotenco and Florian Gallwitz

Generating Meaningful Location Descriptions

Jörg Roth

Applying Stochastic Methods for Range Prediction in E-Mobility

Kai Gebhardt, Volkmar Schau and Wilhelm Rossak

Thursday, July 9th, 2015

9:00 - 10:30 Session 3: Smart Energy, Metering & Sensor Networks
Session Chair: Florian Gallwitz

End User Centred Interactive Software Architecture and Design:
The Creation of Communities for a Smart Energy Use

*Joachim Glatz-Reichenbach, Thomas Vilarinho, Giuseppina Cretella,
Carmel Lindkvist, Adrian Minde and Leendert W. M. Wienhofen*

A Privacy-friendly Smart Metering Architecture with few-instance Storage

Asif Mohammad, Jürgen Stader and Dirk Westhoff

Scheduling Approaches for Wireless Sensor Networks

Bandar Al-Ghamdi, Marwane Ayaida and Hacene Fouchal

10:30 - 11:00 Coffee Break

11:00 - 12:00 Invited Speaker 2:
Signal Processing Challenges for Future Wearable Computing Systems
that Promote Healthy Living and Improve Health Care
Björn Eskofier

12:00 - 13:15 Lunch Break

13:15 - 14:45 Session 4: eLearning, Program & Event Scheduling
Session Chair: Hacène Fouchal

Centralized Student Learning Platform – Needs and Requirements of Current and
Potential Academic Users

Gerald Eichler, Christian Erfurth and Karl-Heinz Lüke

Towards a Privacy-Preserving Hybrid Radio Network: Design and Open Challenges

Mirco Schönfeld, Martin Werner, Claudia Linnhoff-Popien and Alexander Erk

A Novel Development Paradigm for Event-based Applications

Jörg Roth

16:15 Guided tour through the historic center of Nuremberg
Meeting point: Tourist Information, Central Market, Hauptmarkt 18,
90403 Nürnberg

19:00 Conference Dinner
Marientor-Zwinger, Lorenzer Straße 33, 90402 Nürnberg

Friday, July 10th, 2015

9:00 - 10:30 Session 5: Environment, Emergency & Security
 Session Chair: Jörg Roth

Smartphone-based Networks for Earthquake Detection
*Qingkai Kong, Young-Woo Kwon, Louis Schreier, Steven Allen,
Richard Allen and Jennifer Strauss*

Feasibility Study of a Mobile Ad-hoc SOS System
Amro Al-Akkad

Custom-fit Security for Efficient and Pollution-Resistant Multicast OTA-Programming
with Fountain Codes
*Oliver Stecklina, Stephan Kornemann, Felix Grehl, Ramona Jung, Dennis Schweer,
Thorsten Kranz, Gregor Leander, Dirk Westhoff and Katharina Mollus*

10:30 - 11:00 Coffee Break

11:00 - 12:00 Panel Discussion: Innovative Services and the Dark Side of the Force

12:00 - 13:00 Session 6: eHealth & Applications
 Session Chair: Rainer Groß

A Hybrid Approach for Simultaneous Obstacle Avoidance and Stabilization of
Dynamic Bipedal Walking using the Aldebaran Nao Robot
Christian Ullrich, Sergiu Dotenco and Florian Gallwitz

Efforts in Developing Android Smartphone Sports and Healthcare Apps based on
Bluetooth Low Energy and ANT+ Communication Standards
Hans Weghorn

13:00 Lunch
 Best Paper and Presentation Awards
 Closing