

Program Overview

Sunday, June 25, 2017

19.00 Informal Welcome Reception [City Braustüb'l Darmstadt]
(Traditional optional pre-conference event)

Monday, June 26, 2017

10.00 Registration
10.30 Conference Opening
11.00 Session 1: Data Analytics
12.30 Lunch Snack
13.00 Visit Smart Home Showroom "Qivicon"
14.00 Keynote: "Around Me – the World we live in"
15.30 Session 2: Energy Management
17.15 Unusual Guided City Tour by Segway
19.30 Come Together [Ratskeller – Townhall Beer Garden]

Tuesday, June 27, 2017

09.00 Session 3: Optimization Algorithms
11.00 Panel: Personal data in Social Communities
12.00 Lunch Buffet
13.00 Campus Walk – TZ Rhein-Main
13.30 Session 4: Infrastructure Planning
15.00 Announcement of the 18th I4CS 2018
15.48 Darmstadt – City of Science: Science Tram Line 4
16:30 Social Event: Minigolf Arheilgen
19.00 Conference Dinner [Restaurant Sitte]

Wednesday, June 28, 2017

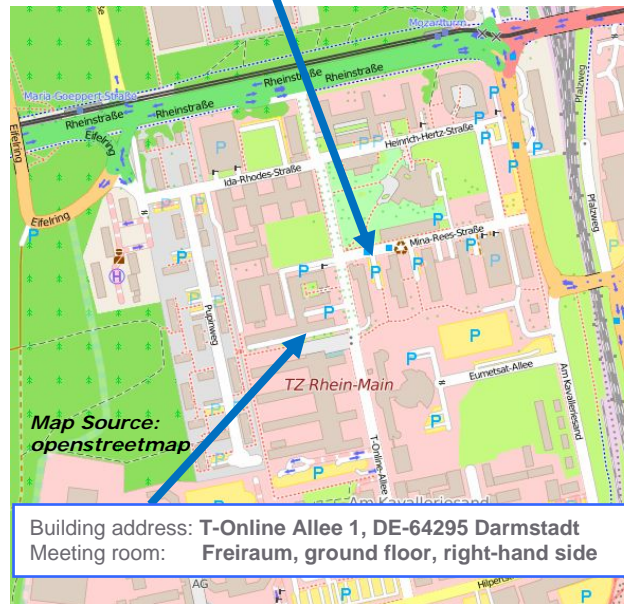
09.30 Invited Talk: "5G – Enabler for Community Services"
10.30 Session 5: Cooperative Networks
12.00 Session 6: Spatial Guidance [Short Papers]
13.00 Young Scientist, Best Paper & Best Presentation Award
13.15 Final Remark and Closing Session
13.30 Open Discussion Space

Old Townhall and City Church Darmstadt © Eichler



Venue

Technologiezentrum Rhein-Main campus is located four minutes away from the Central Station by bus line K or 20 minutes from Frankfurt Airport by bus "AIRliner". Get off at stop at "Mina-Rees-Straße".



Building address: T-Online Allee 1, DE-64295 Darmstadt
Meeting room: Freiraum, ground floor, right-hand side

Contact

For registration, more information and further details, please feel free to check out either

<http://www.i4cs-conference.org/>
<mailto:info@i4cs-conference.org>

or directly contact the conference chair

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17th International Conference

**I4CS 2017
Innovations for
Community Services**

June 26-28, 2017

**Darmstadt – City of Science
Germany**

Conference Program

Hosted by



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Sessions in Detail

Session 1: Data Analytics

Jörg Roth:

Extracting Wikipedia Data to Enrich Spatial Information

Andreas Lommatzsch, Florian Bütow, Danuta Ploch, Sahin Albyrak
Towards the Automatic Sentiment Analysis of German News and Forum Documents

Michel Herbin, Didier Gillard, Laurent Hussenet:

Concept of Observer to Detect Special Cases in a Multi-dimensional Dataset

Session 2: Energy Management

Frank Phillipson:

Multi Objective Approach for Tactical Capacity Management of Distributed Generation

Mohammed Assaouy, Ouadoudi Zytoune, Driss Aboutajdine:

DP and RL Approach Optimization for Embedded System Communications with Energy Harvesting

Session 3: Optimization Algorithms

Andreas Eiermann, Mathias Renner, Marcel Großmann, Udo Krieger:

On a Fog Computing Platform Built on ARM Architectures by Docker Container Technology

Julian Knoll, David Köckritz, Rainer Groß:

Markov Random Walk vs. Higher-order Factorization Machines: A Comparison of State-of-the-art Recommender Algorithms

Niels Neumann, Frank Phillipson:

Finding the Intersection Points of Networks

Session 4: Infrastructure Planning

Dirk von Hugo, Gerald Eichler:

Distributed Network Infrastructure for Community Services in the Framework of Next Generation Mobile Networks

Timotheus Vos, Frank Phillipson:

Constrained Wireless Network Planning

Session 5: Cooperative Networks

Hacène Fouchal, Geoffrey Wilhelm, Emilien Bourdy, Marwane Ayaida:

An Extended Tester for Cooperative Intelligent Transport Systems

Ahmed Alioua, Sidi-Mohammed Senouci, Samira Moussaoui:

dSDiVN: A Distributed Software-Defined Networking Architecture for Infra-structure-less Vehicular Networks

Session 6: Spatial Guidance [Short Papers]

Michal Hodon, Martin Hudik, Stefan Toth, Michal Kochlan:

Smart Screen System for Smart Buildings Made of Tablets

Tawfiq Nebbou, Hacene Fouchal, Lehsaini Mohamed, Marwane Ayaida:

A Realistic Location System for VANETs



Conference Proceedings



All accepted papers are included in the proceedings published as Vol. No. 717 in the series Communications in Computer and Information Science (CCIS) by Springer. The 17th I4CS focuses on:

- **Technology:**
Distributed Architectures and Frameworks
- **Applications:**
Communities on the Move
- **Socialization:**

Ambient Work and Living

I4CS Innovations for Community Systems

Chairs & Committees

Conference & I4CS Steering Chair

Gerald Eichler, Deutsche Telekom AG, Germany

Program Chair

Christian Erfurth, University of Applied Sciences Jena, Germany

Publication Chair

Günter Fahrnberger, T-Mobile Austria, Austria

Technical Program Committee 2017

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