CCS Labs
celebrating 5 years in Paderborn

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member of
HEINZ NIXDORF INSTITUT
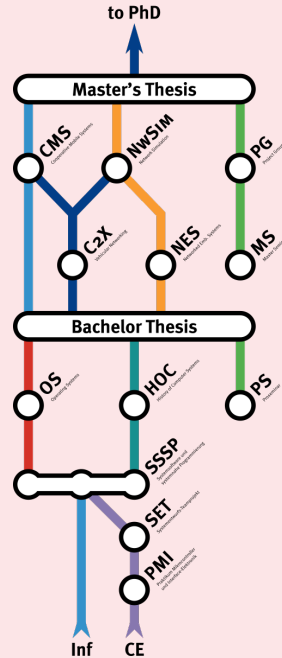UNIVERSITÄT PADERBORN

supported by
dSPACE

CCS

Awards and Honors
- Top-n citations
  - ACM Trans. on Sensor Netw. (Top-4)
  - Elsevier Comp. Comm. (Top-10)
  - Elsevier Ad Hoc Netw. (Top-25)
- Best paper awards
  - Runner-Up Award at IEEE VNC 2018
  - Student Poster at IEEE INFOCOM 2014
  - Demo at IEEE INFOCOM 2017
- Best thesis award
  - GI/ITG KuVS Bachelor Thesis 2018
- ACM member grade elevations to
  - Distinguished Member
  - Senior Member
- IEEE member grade elevations to
  - Fellow
  - Senior Member
- Winner, EIM Science Day
- Tony Sale Award 2016
- Appointments
  - ACM Distinguished Speaker
  - Junior Professor
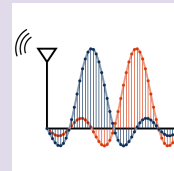- Scholarships/fellowships
  - DAAD
  - Marie Skłodowska-Curie

Teaching

to PhD

Master's Thesis

CMS NwSim PG

C2X NES MS

Bachelor Thesis

OS HOC PS

SSSP

SET

PMI

Inf CE

Coordination
Falko Dressler
Christoph Sommer

Administrative Staff
Lydia Kreiss
Hans-Joachim Kraus

Scientific Staff
Muhammad Sohaib Amjad
Johannes Blobel
Dominik Buse
Felix Erlacher
Florian Hagenauer
Tobias Hardes
Julian Heinovski
Florian Klingler
Agon Memedi
Muhammad Nabeel
Quang-Huy Nguyen
Gurjashan Singh Pannu
Max Schettler
Claas Tebruegge

Associated Scientific Staff SICP/C-LAB
Bernd Kleinjohann
Lisa Kleinjohann
Sven Schönberg
Jan Stenner

Research / Teaching Assistants
Mario Franke
Ledio Gjeka
Fynn Hauptmeier
Julien Jahneke
Miriam Körber
Fabian Missbrenner
Alexander Philipp Nowosad
Marie-Christin Oczko

ACM MobiHoc 2016
5-8 July 2016, Paderborn
17th International Symposium on Mobile Ad Hoc Networking and Computing, the premier international symposium dedicated to addressing challenges in dynamic networks and computing

MobiHoc 2016
5-8 July 2016 · Paderborn · Germany

IEEE VNC 2014
3-5 December 2014, Paderborn
6th Vehicular Networking Conference, the premier platform for scholars in the vehicular networking and communication research community

2014 IEEE Vehicular Networking Conference (VNC)
December 3–5, 2014, Paderborn, Germany

Veins – the open source vehicular network simulation framework
De facto industry standard for V2X simulation worldwide

veins
Vehicles in Network Simulation

gr-ieee802-11 – GNU Radio SDR implementation of IEEE 802.11a/g/p
Software Defined Radio based OFDM transceiver supporting all modulation and coding schemes

OpenC2X – Open Source Experimental and Prototyping Platform Supporting ETSI ITS-G5
Fully standards-compliant one-click install firmware for off-the-shelf embedded Linux systems

Open C2X

VCE – Virtual Cycling Environment
3D virtual reality environment interacting with road traffic mobility and network simulation as well as a physical bicycle on a training stand

VCE

CCS Labs in numbers
- 7 BMBF/EFRE projects (2.39 Mio. EUR)
- 4 DFG projects (0.94 Mio. EUR)
- Total funding: 3.9 Mio. EUR
- 48 journal publications (including 7x IEEE Trans. on Mobile Computing, 1x IEEE/ACM Trans. on Networking, 5x IEEE Trans. on Vehicular Technology, 1x ACM Trans. on Sensor Networks, 2x IEEE Communications Mag., 1x Proc. IEEE)
- 142 conference papers (including IEEE VNC, IEEE WoWMoM, IEEE ICC, IEEE Globecom, IEEE LCN, ACM NANOCOM)
- 4 PhD degrees
- 53 bachelor/master's degrees
- 66 taught classes

Partners

TOYOTA InfoTech Envisioning Mobility

L-LAB

SICP Software Innovation Campus Paderborn

FAU FRIEDRICH-ALEXANDER UNIVERSITÄT ERLANGEN-NÜRNBERG

Bundesministerium für Bildung und Forschung

UCLA

國立臺灣大學 National Taiwan University

DFG Deutsche Forschungsgemeinschaft

DAAD

EUROPÄISCHE UNION
Investition in unsere Zukunft
Europäischer Fonds für regionale Entwicklung

2014 **EFRE.NRW** Investitionen in Wachstum und Beschäftigung