

News

ELLIIT workshop

The workshop 2019 will take place at BTH October 15-16 2019, with local organizer Nauman bin Ali

Invited Talks:

- Buon Kiong Lau presented Antennas and Propagation Society Distinguished Lectures in Brazil (Rio de Janeiro and Natal, 18-22 Feb. 2019)
- Fredrik Tufvesson gave an invited talk at IEEE Globecom, workshop on Channel Models and Measurements for mmWave Bands, "High-resolution dynamic characterization of mm wave channels", Dec 2018
- Fredrik Tufvesson was in Studio Ett, P1, Swedish national broadcasting "Idag har Sverige fått sitt första 5G-nät"

Program chairs and Editorships:

- Christoph Reichenbach, LU/CS, serves as program co-chair for GPCE 2019 (The ACM SIGPLAN International Conference on Generative Programming: Concepts & Experience).
- Christoph Reichenbach, LU/CS, serves as Posters chair at SPLASH 2019 (the ACM SIGPLAN conference on Systems, Programming, Languages, and Applications).
- Emma Söderberg, LU/CS, serves as Artifact Evaluation co-chair at SLE 2019 (the ACM SIGPLAN International Conference on Software Language Engineering).

PhD theses:

- Human-Robot Interaction Based on Motion and Force Control, Martin Karlsson, 2019 apr 2, , Department of Automatic Control, Lund University.
- The confluence of Cloud computing, 5G, and IoT in the Fog, William Tärneberg, 2019 mar, Department of Electrical and Information Technology, Lund University.
- Hardware-Conscious Wireless Communication System Design, Muris Sarajlic, 2019 jan 28, Department of Electrical and Information Technology, Lund University.
- On Robust Distributed Control of Transportation Networks, Gustav Nilsson, 2019 jan 22, Department of Automatic Control, Lund University.
- Machine Learning and System Identification for Estimation in Physical Systems, Fredrik Bagge Carlson, 2018 dec 20, Department of Automatic Control, Lund University.
- Performance evaluation of safety critical ITS-G5 V2V communications for cooperative driving applications, Nikita Lyamin, 2019 jan 30, School of Information Technology, Halmstad University.
- Contributions to Declarative Implementation of Static Program Analysis, Jesper Öqvist, 2019 Jan 18, Department of Computer Science, Lund University.
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Conferences and workshops:

- AMTA regional event "5G - an antenna and measurement perspective", Lund, May 2019. Co-organized by ELLIIT with Fredrik Tufvesson as local host.
<https://www.amta.org/i4a/pages/index.cfm?pageid=3469>

Personnel

- Aleksei Fedorov started as a Post doc at LU/EIT in April 2019 to work on simulation models for vehicular communication.
- Emma Söderberg, previously at Google, started as associate senior lecturer at LU/CS in January 2019. She works on tools and languages supporting software development.
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- Quentin Delooz started as a PhD-student at HH (jointly with THI/CARISSMA) in February 2019 to work on collective perception in vehicular network.
- Sambuddha Chakrabarti has started as postdoc at LiU/ISY/Automatic Control from April 1.
- Prof. Volker Kreuger, previously at Aalborg University, started at LU/CS in August 2019. He has received a WASP starting grant, and works on robotics, vision and machine intelligence.
- Hampus Åström started at LU/CS in March 2019 as a WASP Ph.D. student.
- Alexander Duerr started at LU/CS January 2019 as a WASP Ph.D. student.
- Alexandru Dura started at LU/CS October 2018 as a WASP Ph.D. student.
- Matthias Mayr started at LU/CS September 2018 as a WASP Ph.D. student.
- Noric Couderc started at LU/CS April 2018 as a WASP Ph.D student.
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Research Grants

- MIMO-Sensor for Positioning and Autonomous Drive (MIMO-PAD), Fredrik Tufvesson, Lund University, Volvo Cars, AB Volvo, Terranet AB. A 11 MSEK four year Vinnova FFI project aiming for improved cellular positioning.
- 5G-SMART, 5G for smart manufacturing. Fredrik Tufvesson, Lund University. A 2.5 year 100 MSEK H2020 project focusing on industry 4.0. 13 European partners including e.g., ABB, Ericsson, Fraunhofer, Orange, u-blox,
- Safety of Connected Intelligent Vehicles in Smart Cities (SafeSmart), Alexey Vinel, Halmstad University with Scania, H&E Solutions, Terranet, Quviq, KPIT, AstaZero, Gutec. A 24 MSEK four year KKS project aiming for localization, communications, control for automated vehicles.
- 5G V2X-Kommunikation för Fordonståg, Alexey Vinel, Halmstad University with Qamcom. A 1.1 MSEK two year SSF project on C-V2X for platooning.