

Call for Position Papers

ACM Chapters Computer Science in Cars Symposium

CSCS 2017

Munich, Germany | July 6, 2017

Aim of the event

Innovation in cars is increasingly “driven” by new technology from computer science. Examples are abundant: Autonomous driving, assistance system, in-vehicle entertainment, and many others. Cars equipped with such technology are likely to become the next big thing which will result in changes in the society as well as in the manner how cars are produced and used. This disruption in automotive industry creates many opportunities but also challenges. They can best be addressed by bringing together key people who jointly discuss novel ideas from research in the practical context of industrial applications.

We are pleased to announce the first German Computer Science and Cars Symposium (CSCS). CSCS aims to create bridges between academic research on the one hand and practitioners from the automotive industry on the other. The focus of this first CSCS event is set on autonomous driving and deep learning. The one day event combines key-note, invited and short presentations, poster sessions and ample opportunities for discussions and networking. An open call for position papers will present the latest ideas, results, and challenges from academia and industry in poster sessions.

More information can be found at the following web page:

<http://munich.siggraph.org/events/cscs/>

Scope

The event includes, but is not limited to the following topics around automotive and Car-IT research and applications:

- Computer Vision, Complex Scene Interpretation
- Motion Recognition, Modelling, Synthesis, and Prediction
- Artificial Intelligence
- Machine Learning, specifically Deep Learning
- Computer Graphics and Visualization
- Virtual and Augmented Reality (AR/VR)
- HCI (Human Computer Interaction)
- Communication, Security, Safety, Privacy
- Advanced Sensing and Intelligent Vehicle Control

Keynote and Invited Presentations

Distinguished experts from the field give keynotes and invited presentations on topics which are of paramount importance for providing successful solutions in the applications areas addressed by CSCS.

A collaboration of German ACM Chapters:

- ACM German Chapter
- Munich ACM SIGGRAPH Chapter
- ACM Munich Computer Science Student Club



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Position Papers and Posters

We invite PhD and master students to submit position papers that will be compiled into proceedings of the event that will be available online on the Web pages. Each accepted position paper will be presented as a poster or might be selected for a short oral presentation. We plan also to invite the top ranked position papers and invited speakers to submit long papers for publication in a special issue of an international journal.

Submission information: Position papers should have the length of 2-4 pages in LNCS style formatting¹. Please submit your position papers as pdf file to the following email address:

munich-cscs@siggraph.org

Sponsors / Exhibition

We invite companies and research labs to contribute to the summit also by presenting their latest results as demos with a small booth. The booth is free for academic research groups. A booth is also included for sponsors of the event.

Dates

- Deadline for position papers: 19th May 2017
- Notifications: 2nd June 2017
- Event: 6th July 2017

Venue

The event is planned to take place in the area of Munich. Detailed information on the venue will be provided on the event's Web pages as soon as they are available.

Organization committee

Martin Böckenfeld (Munich ACM SIGGRAPH, Invenio GmbH)
Cornelia Denk (Munich ACM SIGGRAPH, German Chapter of the ACM, BMW Group), chair
Klaus Fischer (DFKI)
Oliver Grau (ACM Europe Council, Intel Deutschland GmbH), co-chair
Raphael Hoheisel (Munich ACM Computer Science Student Club)
Hans-Joachim Hof (German Chapter of the ACM, Technische Hochschule Ingolstadt), co-chair
Philipp Slusallek (DFKI), co-chair

¹ ftp://ftp.springer.de/pub/tex/latex/svproc/guidelines/Springer_Guidelines_for_Authors_of_Proceedings.pdf
and
<https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines> (important downloads for authors)

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