

Newsletter of IEEE ITSS German Chapter



ISSUE No. 2 December 2021

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IEEE ITSS Germany

A brief introduction of the newsletter ...

Welcome to the second newsletter of the German Chapter of the IEEE ITSS. This relatively young chapter was established in April 2019 to become the meeting place of choice for the intelligent transportation systems community in Germany.

Our objectives are to encourage students, engineers, researchers, and young professionals to cooperate, to increase contributions in the area of ITS, and to disseminate latest ITS innovations.

Along with our website, this newsletter is a source of information for anything IEEE ITSS related in and beyond Germany and promotes important dates.

ExCom Officers

The faces behind ITSS Germany ...

The IEEE ITSS Germany Executive Committee (ExCom) officers are responsible for operating the chapter and sharing information with its members. They act as a link to the IEEE German Section and the IEEE ITS Society.

In order to ensure the knowledge stays within the committee and also give a chance to new fresh ideas, during each annual election, there are three vacancies in the ExCom. Each role is rotating on

two-year basis. The ballots returned have been counted, and the following candidates have been elected to serve for a two-year term from January 2022 to December 2023:

- **Financial Chair:** Philipp Sieberg
- **Student Activities Chair:** Lars Grundhoefer
- **Social Media Chair:** Florian Wirthmueller



Dr.-Ing. Philipp Sieberg

Financial Chair
University of
Duisburg -Essen



Lars Grundhoefer

Student Activities
Chair
German Aerospace
Center (DLR)



Florian Wirthmüller

Social Media Chair
Mercedes-Benz AG

We wish the newly elected members success and thank you all for your dedication and contribution to our chapter and our society.

Past Events

A glimpse of what happened so far!

ExCom Administrative Meetings

The ExCom officers are meeting on a monthly basis to discuss the chapter activities and share ideas on how to benefit all our members. All chapter members are welcomed to join and be a more active volunteer. Check the [website events calendar](#) for scheduled meetings, or contact us via e-mail at contact@ieee-itss-germany.org for more details.

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Distinguished Lecture

On August 5, 2021, **Dr. Lorenz Hruby** gave a distinguished lecture webinar about “*Progress and challenges in developing an industrial grade visual SLAM system*”. The lecture presented the advances in algorithms, cameras and embedded computing hardware, which allowed for the implementations of visual SLAM, then introduced the recent progress on developing an industrial grade visual SLAM system for autonomous ground robots. The event had about 35 attendees. It concluded with an active Q&A session and was met with positive feedback. You can watch the session recording over [IEEE ITSS Educational Activities](#) website.

Distinguished Lecture

On November 17, 2021, **Dr. Paul Chauchat** gave a distinguished lecture webinar about “*Recent Results on Inertial Navigation: Non-linear Insights and Linear Threats*”. The lecture presented the nonlinear consequences of the use of high-grade inertial sensors, and demonstrates how the nonlinear structure of both filtering and smoothing algorithms may be improved by leveraging the invariant filtering framework. The event had about 25 attendees. It concluded with an active Q&A session and was met with positive feedback. You can watch the recording over [IEEE ITSS Educational Activities](#) website.

Industry Meets Academia Webinars

On August 17, 2021, and on November 22, 2021 the IEEE ITSS Educational and Technical Activities have jointly developed the ITSS “Industry Meets Academia” Webinar Series. The second webinar was titled “*Sustainable Freight: Recent Advances in Intelligent Transportation System Technology*”, while the third webinar was titled “*Innovation in Truck Platooning: Case Studies in Europe and the United States*”. The talks’ recordings are available on the [IEEE ITSS Educational Activities](#) website.

Calls for Papers

Check out the active calls to join ITSS events

Call for Papers

IV22 - 33rd IEEE Intelligent Vehicles Symposium

- **Paper Submission Deadline:** February 1, 2022
- **Conference Dates:** June 5-9, 2022
- **Venue:** Aachen, Germany
- **Website:** <https://iv2022.com/>



Volunteering Ideas

Help us shape the future of ITSS Germany!

Are you missing any kinds of events, would like to propose a certain speaker for a distinguished lecture, or have other ideas that might be realized by ITSS Germany? Don't hold back! Contact us with your suggestions and get involved via: contact@ieee-itss-germany.org.

Important Links

Don't forget to check out ...

- **IEEE Website**
<https://www.ieee.org/>
- **German Section Website**
<https://www.ieee.de/>
- **ITS Society Website**
<https://www.ieee-itss.org/>
- **ITSS Educational Activities**
<https://edu-ieee-itss.org/>
- **Chapter Website**
<https://ieee-itss-germany.org/>

For more information on how sign up to receive the newsletters, or contribute to its content, please contact us at contact@ieee-itss-germany.org