

Newsletter August 2021 (8^oedition)

We are coming back with another newsletter filled with news of a strong first half of 2021, exciting updates on events, funding opportunities, and the latest projects held with our partners in Germany, China, Finland, and Latin America.

Recap 2021



I. International AI@motion Research Workshop

In May we held our I. International AI@motion Research Workshop which was a great success!

Although the pandemic challenges us to stay distant, we still managed to come closer together by passionately sharing our ideas all around AI and mobility.

We thank our partners for participating: AUDI AG, Airbus, SyroCon AG, and LiangDao Intelligence, from Brazil such as Center4AI, Embraer, IBM, Universidade de São Paulo, and Universidade Estadual de Campinas, and from Finland such as Sensible 4, MOPRIM Ltd, University of Helsinki and Turku University of Applied Sciences.

[Review AI@Motion workshop](#)



MobiBox AI Challenge: Winners from Brazil!

Here come the winners of our MobiBox AI Challenge!

Congrats to the team from the Pontifical Catholic University of Paraná (PUCPR), Brazil for their well-deserved win.

They programmed a special AI software for the MobiBox, a handheld that includes all sensors and the intelligence needed to move and steer all kinds of vehicles. It can be plugged into an autonomous air taxi, a self-driving car, a city scooter, a bicycle, or just carried around whenever you move.

Learn more about opportunities for researchers and students regarding #automotive #engineering #AI below

[Find out more about opportunities](#)

enGlobe: 1st digital study project successfully completed

Last October, THI, UFPR and Groupe Renault started our first digital study project in AWARE.

After focusing mostly on theory in the first months, the team of UFPR coordinators and students convinced Groupe Renault with working on 2 challenges at the Renault plant: building an AGV control center (data on DataBase) and improving Data Science routines and indicators.

The continuous hard work paid off and Prof. Wildauer and the whole team presented the results to Groupe Renault.

Another enGlobe project is ongoing: THI's students and students from Universidad Tecnológica Nacional (UTN) continue working digitally on a demonstrator development for a battery-powered drive train in cooperation with Volkswagen Group Argentina.

Find out more about enGlobe – engineers go global – project [here](#)

Preview 2021

AWARE and Colombia

The strategic cooperation with the Colombian partner university EAFIT started in 2014 regarding Industry 4.0, digitalization, and Production Engineering.

Since its establishment, aiming to intensify this promising cooperation THI and EAFIT developed an International Autumn School on Industry 4.0 at THI, hosting 28 students and professors from EAFIT, UFSC, UFPR at THI.

We are continuing to cooperate with EAFIT for student exchange and joint development regarding Summer School "Automotive and Production Engineering" which takes place this year for two weeks (27th of September till 8th of October).

For more information, please reach out to project coordinator [Tatyana Fernandez Kaulich](#).



Explore Colombia!

The students and professors can attend lectures at partner universities abroad, just like Elona Morina, an undergraduate student of Engineering and Management from THI that spent one semester abroad



EAFIT Summer School

The EAFIT Summer School "Automotive and Production Engineering" addresses highly qualified and motivated students from the Colombian partner university

at our partner university Universidad EAFIT in Colombia.

Read about Elona's experiences, impressions, adventures, and the influence of the pandemic during her time abroad.

[Read Elona's report here](#)

EAFIT and professors and students from the THI.

The participants can get an insight into current automotive trends. In addition to the theoretical teaching modules, the participants gain further practical insights on topics through company lectures.

[Learn more](#)

Upcoming events

AIM Lecture Series

Our new AIM Lecture Series based on projects has started. In the first event of the series, professors from UFPR, UFSC, and THI guided through highly interesting topics concerning #energy, and #ML for power generation prediction.

Further lectures will take place in September and October.

When: September, 27; October, 19/26

Where: online

Find out more about the topics of our AIM Lecture Series on our [LinkedIn page](#)

eMobility Spring School

This event is composed by one week of digital lectures and industry presentations and networking activities and presents applied projects in the fields of eMobility, Sustainability in eMobility, and more. It will be possible to get to know excellent industry-experienced professors from Germany (Ingolstadt) and Brazil (UFPR and UFSC) and Argentina (UTN) and leading experts from the industry.

When: November, 8 - 12

Where: online

The spring school is aimed mainly at undergraduate and graduate students of (electrical/mechanical and production) engineering, studying at UTN, UFSC, UFPR, and THI, and also engineers from industrial partners.

Find out more about [eMobility Spring School](#)

AWARE+SHARE

In November, AWARE Center will host its second AWARE+SHARE event with three sessions. Speakers from industry and academia will give up-to-date insights into future mobility technologies, current challenges, and the technology level in Germany, Brazil, and Argentina.

AWARE+SHARE is an annual event organized by the AWARE Center to present its partners and show their potential for exchange and synergies.

This year as well as last year the event will take place mainly in a digital format, therefore, allowing a broader audience to enjoy the discussions.

Under the motto "Feel inspired!" the event offers insights from industry and research

around different AI topics, as well as the AWARE Center's cooperation with foreign partner universities in this area.

When: November, 11/18/25

Where: online and on-site in Ingolstadt

Free registration for students, professors, industry from all over the world will be available soon on the [AWARE+SHARE website](#).

Follow our [LinkedIn page](#) to book your spot in advance.

Find out more about the event [here](#)

I. International AI@motion Network Conference and theme week [basci.net](#):

In the week from November 15th -19th different networking events will take place with the aim to connect THI's researchers with local companies as well as international companies and researchers, especially from Brazil, China, and Finland regarding AI & Mobility. Students will also get the opportunity to hear about the possibilities THI offers at Master and PostDoc level.

In addition to the international AI@motion Network Conference, [basci.net](#) addresses broader society. Within the frame of a theme week, citizens deal intensively with AI through interactive formats hovering around AI in film, art, and everyday life.

When: November, 15 - 19

Where: online

Find more information soon about [AI@motion Network Conference](#) and [basci.net project](#)

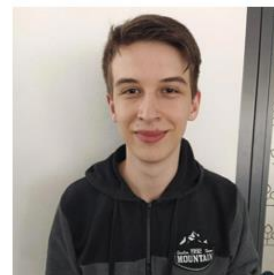
New AWARE fellows Our eng.join! fellows



Bruno Henrique Romano
Bachelor Student
Engineering of Transport
and Logistics
(UFSC, Joinville)



Henrique Bonafé Takamori
Bachelor Student
Automotive Engineering
(UFSC, Joinville)



Nicollas Barauce Freitas
Bachelor Student
Aerospace Engineering
(UFSC, Joinville)

Meet our three eng.join! fellows, students from UFSC Joinville from Brazil who did a semester abroad at THI. Despite the pandemic, students could manage their studies effectively and enjoyed their stay in Ingolstadt. Have a look at their reports which tell about their experience [here](#)

See more about eng.join! and its scholarship offers for students of THI below

[Scholarship offers for THI students](#)

Always receive the latest news about the AWARE Center on our official
LinkedIn page!

Follow us on LinkedIn!

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