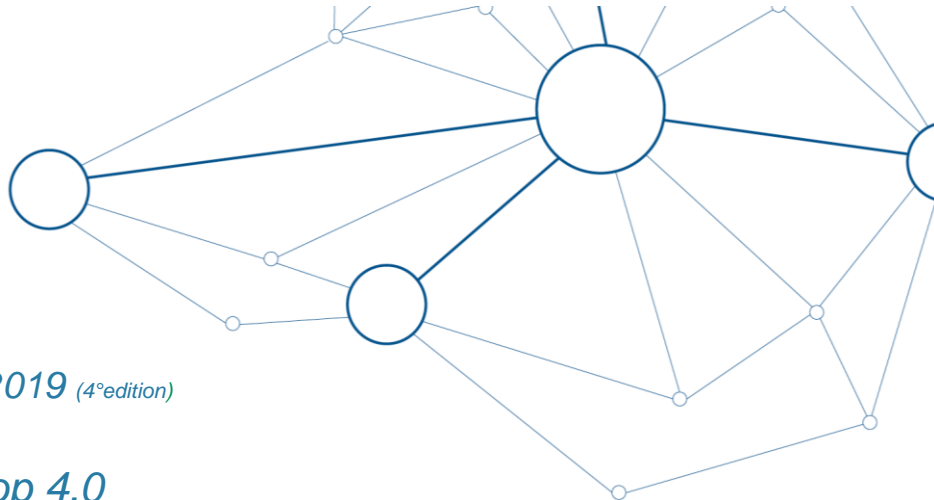




AWARE

Applied NetWork on Automotive
Research and Education



Newsletter

July 2019 (4th edition)

Curitiba: International Workshop 4.0 – IoT & Logistics

May: What does industry 4.0/Internet of Things (IoT) mean? What impact does it have on logistics and how is this topic currently approached in teaching and research at German universities? Prof. Daniel Großmann and Dr. Dagmar Tomanek from the THI research field “industry now” travelled to UFPR to present their approach to current industry 4.0 topics to students, professors and industry representatives. Through guest lectures, best practices and panels, the participants gained an overview of current IoT-challenges in Germany, while the German professors experienced the status quo regarding industry 4.0 in Brazil through trips and talks to companies. The event was supported by AIM – an AWARE project with the main goal to transfer applied and innovative teaching to Brazil, financed by DAAD and the Federal Ministry for Economic Cooperation and Development (BMZ).



Participants of the International Workshop 4.0 at UFPR
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Ingolstadt: AIM Visits

May/June: AIM also brought two professors from UFSC to THI: Prof. Gabriel Dutra, expert in the field of materials engineering and metallurgy with a focus on powder metallurgy and nanocomposites, partner professor of Prof. Ulrich Tetzlaff (THI), and Prof. Talita Possamai, dedicated to numerical methods, hosted by Prof. Elke Feifel (THI). Apart from the guest-lectures, Prof. Possamai also visited the THI Learning Lab in order to exchange experiences in digital teaching methods. This year, AIM does not only focus on the exchange of professors – 6 master’s students from UFSC and UFPR will conduct research for their master’s thesis at a THI laboratory, jointly supervised by a German and Brazilian AIM professor. Thereby, the goal of AIM – application-oriented teaching and exchange between the universities – is transferred directly to the students.

Airbus Intensifies Cooperation with the Extended AWARE Network

July: The long-lasting strategic partner Airbus has recently confirmed the intensification of the ongoing cooperation within the AWARE network, signing a new cooperation agreement and confirming financial support for the next upcoming 5 years. The main reasons for the agreement are joint research with scientists from Germany, Brazil, Colombia and Argentina, increasing the number of international students and getting them involved in an early stage, working part-time in a specialist department at the Airbus site in Manching. Through this cooperation, Airbus seeks to introduce international perspectives and ways of thinking into their technical departments in order to increase the innovative potential of each of them and thus continue to create products with cutting-edge technology.

Ingolstadt: First Visits of...

PUCPR: THI had the opportunity to welcome Prof. Alceu de Souza Britto from the Pontifical Catholic University of Paraná (PUCPR) – Brazil. During his week in Germany, he gave lectures on Dynamic Classifier Combination, an important Machine Learning topic, to the International Automotive master’s program of THI. He also had the opportunity to present himself to the CARISSMA team and to other professors of THI. He is currently the Brazilian advisor of one exchange student that is doing his PhD under the supervision of Prof. Alessandro Zimmer from CARISSMA. Robotics and artificial intelligence are only some of several identified joint topics of interest between THI and PUCPR.

UTN: For this year’s International Summer School „Automotive Engineering and Management“, THI invited an Argentinian professor from Technical University of Argentina (UTN), Prof. Juan Pablo Dri, in order to lecture on electromobility and give insights into UTN’s lessons learned in the Shell Eco-marathon. Apart from being professor at UTN, Prof. Dri leads the laboratory for materials within the plant of VW Argentina in Buenos Aires. Since 2016, UTN is an associated AWARE partner and first joint projects in the field of electromobility have been identified. During his visit, further cooperation projects and funding lines were discussed in order to intensify the cooperation with this first Argentinian partner in AWARE.

UPCOMING:

Delegation Trip to São Paulo State

October 2019: In order to extend the AWARE Network to São Paulo State, Prof. Zimmer and Anne-Sophie Lohmeier will visit several institutions such as USP (Universidade de São Paulo), Unicamp (Universidade Estadual de Campinas), Research Foundation FAPESP and AEA (Brazilian Automotive Association). Main goal of the delegation trip is to discuss possible cooperation scenarios with São Paulo.

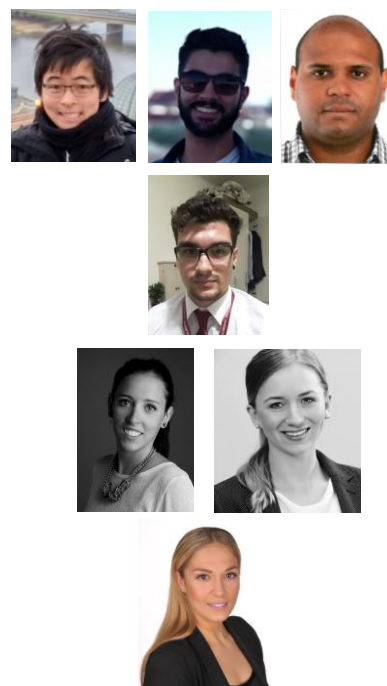
Spring School at UFSC

November 2019: Inspired by the International Summer School at THI in 2018, Prof. Xisto Lucas Travassos Júnior initiated the organization of a similar event at his home university UFSC at the end of 2019. The lectures will be held not only by UFSC professors, but also by THI professors Harald Göllinger, scientific director of AWARE, and Elke Feifel (see AIM visits, p. 1) who will travel to Joinville in the frame of the AIM project. Main organizer of the event is Prof. Talita Possamai. For further questions, please contact her: talita.possamai@ufsc.br.

Be AWARE 2019 - Get Connected!

Welcome – Willkommen – Bem-vindos!

Double Degree Master of UFPR & THI, Ingolstadt	Alan Naoto Lucas Broto Silas Lobo
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Corporate Consulting Project in Itajaí, Santa Catarina	Marina Pusch Isabella Haas
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