



Newsletter *December 2017 (1st edition)*

About this Newsletter

Since its creation in 2013, our German-Brazilian network AWARE has grown into a successful, medium-sized network with more than 20 partners from academia, industry and politics. This year alone, 49 persons took part in the scientific exchange, travelling between Southern Brazil and Bavaria. This Newsletter aims to – literally speaking – keep you on track with the latest newspool of our joint experiences and help you to stay connected!

Ingolstadt: Brazilian Support for Research and Test Center CARISSMA

Professor Alessandro Zimmer from *Universidade Federal do Paraná (UFPR)* became part of the CARISSMA team this November, thus complementing its key competencies with his special research fields which are predictive sensor systems such as camera and radar for safe automated driving. Of particular importance is his commitment as a founding member of AWARE. Since 2010, Zimmer has been expanding AWARE within the Brazilian state of Paraná, integrating Paraná state ministries and its foundation *Fundação Araucária (FA)*, thus enhancing our border crossing network between politics, funding bodies and industry. Zimmer has also been managing and implementing research activities as technological director of *Institutos Lactec* which is also an AWARE core member. Zimmer holds a professorship for Electrical Engineering at UFPR.

São Paulo: Research Workshop on Vehicle Technology and Mobility

In September, the *Escola Politécnica da Universidade de São Paulo (USP)* hosted and organized an international joint research workshop about mobility in São Paulo together with its partner, the Institute of Automotive Technology of *Technische Universität München (TUM)*. THI professor Hans-Joachim Hof was represented by Anna Keilbach and her dissertation subject „The Integration of User Experience Design into Agile Software Development“. The workshop served as a base to generate several ideas and initial concepts for an intelligent traffic flow (based upon crypto currency). The partners envisage a joint research proposal.

Brussels: AWARE invited as best practice consortium

In October, coordinator Anne-Sophie Lohmeier and doctoral candidate Fabio Reway were invited to give an insight into the success factors of AWARE as a multi-dimensional partnership. The conference with the title "Newlyweds, happily married, in marital counselling or on the verge of divorce" was hosted in Brussels by the Academic Cooperation Association (ACA). ACA promotes innovation and internationalization of European higher education systems.



THI: Dr. Igor Doric (on the right) and Brazilian PhD student Matheus Zimmermann researching on pedestrian robots (industry partner: MESSRING) © THI.

Teaching, Research and Transfer



















AWARE gained further momentum through

- the introduction of the THI double degree master program *International Automotive Engineering (IAE)* at *Universidade Federal de Santa Catarina (UFSC)*. Our partner *Fundação de Amparo à Pesquisa e Inovação do Estado de Santa Catarina (FAPESC)*, the scientific and technological research foundation of the state of Santa Catarina, provides internships for UFSC students.
- the presentation of the prototype of a two seater electric car developed by AWARE partner *Mobilis* within the frame of the V. E-mobility Forum of AWARE. *Mobilis* is a startup founded in 2014 through the AWARE network.
- the initiation of a novel joint research project between *Institutos Lactec*, *UFPR*, *Prefeitura Municipal de Curitiba* (Municipality of Curitiba) and THI. The project's focus will be upon road user protection systems by analyzing Curitiba's pioneering bus lane transportation system through an array of sensors, trying to predict and mitigate accidents in urban traffic scenarios.



Be AWARE 2017 - Get Connected!

Welcome – Willkommen – Bem-vindo!

| | | |
|---|---|--|
| Double Degree Master of THI & UFSC in Ingolstadt | <i>Clarice Chagas</i> <i>Janaina Amaral</i> |   |
| Double Degree Master of THI & UFPR in Ingolstadt | <i>Milena Bavaresco</i> <i>Jhonattan Dias</i> <i>Thiago Camargo Vieira</i> <i>João Victor Bruneti Severino</i> |     |
| Research internship in Ingolstadt | <i>Iuri Cuneo</i> <i>Guilherme Volpato</i> <i>Guilherme Cordeiro Vogt</i> <i>Adriano Peniche dos Santos</i> |     |
| Schanzer Racing students in the V. E-mobility Forum at UFSC in Florianópolis | <i>Elias Heß</i> <i>Nils Strauch</i> <i>Felix Becker</i> |    |
| Research internship at Institutos Lactec in Curitiba | <i>Lukas Welz</i> <i>Tom Reimlinger</i> <i>Manuel Baumann</i> |    |
| Research on Consumer Behaviour & E-mobility at UFSC in Florianópolis | <i>Vera Schollmeier</i> |  |
| Research internship at Fundação CERTI (Certi Foundation) in Florianópolis | <i>Tim Klingenberg</i> |  |

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