Charlotte Wallin, from the Kempten University interviewed Christoph Müller, representative of the ACsyria Mobility Cluster at the 7th Conference on Future Automotive Technology in Fürstenfeldbruck in May. Mr. Müller spoke about the trends and the future of mobility in Germany and Europe.

Full interview on pages 3 & 4
Smart-Living DIHs Network Open Day

AGRA conference, August 2018, Murska Sobota, Slovenia

In cooperation with DIH AGRIFOOD, Pomurje Technology Park organized an international conference on the topic of transformation of agro-food through new paradigms of local supply, digitization and cooperation. The conference highlighted the challenges, solutions and opportunities for the future of the agro-food sector, focusing on the local supply of quality food and new forms of cooperation, which will accelerate the process of digital and overall transformation of this sector. Interesting presentations and discussions in the field of agro-food was supported with attractive accompanying program with various presentations and tastings. CARE4TECH project partners, Kempten University & Technology Park Ljubljana joined the event.

South Germany LiLab Open Day

Nuremberg Web Week, October 2018, Germany

The CARE4TECH and Smart Innovation LiLab – South Germany open days were presented the Oct. 17th-18th, 2018 during the annual Nuremberg Digital Festival. The open days were divided into three different actions, to reach a larger target group. In the afternoon the 17th of October 2018, the next generation were invited to create new mobility concepts and in the evening national and international stakeholders were part of an open dialogue and presentations about CARE4TECH and Smart Mobility solutions. The open day were influenced by good discussions and reflections about the quadruple helix approach. The annual cluster event “Querdenken”, made the open day complete with its transverse ideas and presentations
Technopark Zürich Community Building Open Day

Open House Day, October 2018, Switzerland

The Living Lab Open Door Day at the Technopark Zurich took place on October 6 with success. About 35 Startups and SMEs as well as two support organizations presented their technologies to the public and provided a hands-on experience to the latest developments in virtualization, new medtech devices, technologies related to clean energies and digitalization, in general. The event was organized and promoted as an open house day of the Technopark Zurich and combined with its 25-year anniversary celebrations. It took place from 10am through 4pm on the Saturday and about 500 people attended the event during the course of the day. Some of the highlights that could be experienced were the VRfree gloves by the company Sensoryx, providing immersion into virtual worlds, data logging devices to provide more data to prepare eye surgery by Vivor AG or roboter programming by the companies Greenliff and Avatarion.

The event was not only showcasing the technologies to the public, but also was successful in providing value to the exhibitor companies in terms of networking and getting to know each other’s competencies.

Smart Plastics LiLab Open Day

Smart Plastics Congress, September 2018, France

Plastipolis organized the LiLab Open Day, on the topic of Smart Plastics, gathering several Smart Living sub-topics like Smart Mobility, Smart Health, Smart Energy, during the Smart Plastics Congress in Besançon (during Micronora Tradeshow), on September 27th and 28th, 2018. During this Open Day, different conferences were organized, dedicated to Smart Plastics, with a round-table on the different markets reached by Smart Plastics, among them, Mobility & Transportation and Healthcare. Technical presentation were also proposed in order to provide technology update on Smart Plastics.

This event gathered more than 70 participants.
Connection between Big Data & Autonomous driving

Interview with Christoph Müller by Charlotte Wallin
LinkedIn profile

Hello, today we are in Fuerstenfeldbruck. This is in South Germany / Bavaria and we are at the conference CoFAT. It’s a mobility conference and we have the pleasure to have Mr. Mueller here. Hello and welcome. So, where do you come from and what are you doing?

I’m from Austria, I’m representing the ACstyrria Mobility Cluster. I am basically responsible for the automotive department; and as a Mobility Cluster we also focus on aerospace and rail-systems; have essentially transformed ourselves from an “Auto-Cluster” to a “Mobility Cluster”, given that mobility is really keen in our days and it’s all about mobility services and integrating all mobility needs and demands of customers.

In the project CARE4TECH we are developing innovation labs and one of the topics is smart mobility. How are you interpreting smart mobility in your Cluster “automotive”?

When it comes to smart mobility, we essentially focus on autonomous driving That’s one of the key issues and key development aspects in automotive and it’s all about ensuring that all the sensors and all the data is collected and gathered in a meaningful way and all the data really contributes to the car driving safely and how you as a passenger would drive it to safely arrive at your destination. And it’s all about testing: testing on public roads, testing on private grounds, virtual testing and we do have “AlpLabs”, that’s our test-side at ACteria. We do have the legal permission to test on public roads, So there are cars driving on the road today. And the key goal is to collect data, to analyze data, validate data and to make cars safer and a great pleasure to drive.

And how are you evaluating the data, you are collecting? Everybody is speaking about big data at the moment. What are you doing with your Big Data?

The key issue is essentially having a cloud system, where all the data that you collect is stored and the measures that you can take to analyse the data is keen and the software and the algorithms that you develop are really keen. We have partners in that case, that is ABL, one of the biggest engineering companies worldwide, you might know Magna-Steyr in Graz is one of the key partners, Infineon, your named research. So, many partners that contribute to data being collected, transformed and validated.
Autonomous driving is a lot of connecting vehicles with each other. Where do you see the future there? Which information will the cars communicate with each other?

So, it’s basically if you think about an accident on a mountainous road or something, where the sensors could not actually detect these cars. So you get a range of roughly 100 – 250 meters, and the car that is actually involved in the accident could tell you “there is an accident”. You have to reduce your speed and be well prepared for the accident; not to being involved in it.

When do you think will that be the standard? Is it tomorrow or in a couple of years or how far in future?

That’s a kind of difficult thing to say. But today we think about driver-system-systems. You’ve got ACC, Lane Assist, and for fully automated cars that will take a while: so many miles to test and many roads to be driven with these cars; it might take a few decades. And it always depends on the actual use case: you have got urban areas, that might be interesting, you’ve got motorways that might be interesting. And I think motorways are the most interesting thing with in the next few years.

And why is it the motorway?

It’s one thing: it’s efficiency, it’s comfort. If you had a stressful day you could relax in your car, doing phone calls, without having to focus on the road. You could really relax and focus on your business, increased efficiency and increased safety.

My last question for you is: “Have you heard about CARE4TECH?”

Yes, I’ve heard about the project but I’m actually not involved. But we are highly interested in the results and highly interested getting in touch with the partners.
International Mechatronics Forum

Bozen, Italy, September 2018

In September 2018 the International Mechatronics Forum was held with about 250 participants. The Forum started in 2005. Different clusters in Germany, Switzerland and Austria hosted the event until now and established a partner network with about 640 enterprises. It was the 12th edition of this event and the first time, it was held in South Tyrol. The Automotive Excellence South Tyrol, a consortium of 5 automotive enterprises, built an exhibition car, where automotive parts, that are produced in South Tyrol, are exposed. During the event the participants could participate at guided tours through the NOI Techpark and the LIItalyLab.

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