

THE IMPORTANCE OF EMBEDDED SOFTWARE IN AUTOMATED AND AUTOMOTIVE DEVELOPMENTS

by CHRIS HORGAN



On 26 February this year, Daniel Watzenig, Head of the Electronics Department at the Virtual Vehicle Research Centre and Associate Professor at Graz University of Technology, was among a number of experts invited to an event hosted by Khalil Rouhana, Director for Components & Systems in the DG CONNECT, in Brussels. The main idea of this event was to explain the funding policy of the Commission and to highlight the need to avoid duplication and overlap but encourage complementarity. In this particular session, with the focus on embedded software in automated solutions and how different industrial sectors could learn from each other, Daniel had been invited to give a keynote. He took the opportunity

to present his vision: Embedded Intelligence enabling Automated Driving.

"While the physical event took place in Brussels, there was a video link to the Luxembourg office, which enabled programme and project officers from the A1, A2 and A3 units to actually attend and participate in the event," Daniel explains. "I actually tried my best to highlight and to emphasise the importance of (embedded) software in the automotive world, in other domains, and also the beneficial cross-domain effects. For instance, security is a key issue especially in the aerospace domain and automotive can learn from this. In the

ARTEMIS and ECSEL communities the cross-domain approaches are highly valued by the Commission. In addition, I made brief mention of the upcoming German roadmap driven by SafeTRANS, in which many people from the ARTEMIS community have a strong influence as well as the already published Austrian Roadmap on automated vehicles which is strongly influenced by two ARTEMIS-IA Vice Presidents (Michael Paulweber from AVL and by myself). Werner Steinhoegl and Sandro D'Elia both from the European Commission gave short introductory talks and supported me in their statements, giving software a good push in the right direction. That was really good to see."