

## Preface

### **AmEC 2024 – Automotive meets Electronics & Control**

Last year we decided to merge the two conferences Automotive meets Electronics and AUTOREG. Both conferences share many topics but there were also different foci. This joint conference covers a wider field.

The first core field to mention is on applications of artificial intelligence/machine learning (AI/ML) to many different domains. Obviously, the existing algorithms are not sufficient to solve the problem of dynamically changing environments, whereas AI/ML with their inherent flexibility are much more promising. The second core field is trajectory planning, where of course a strong interaction exists with AI/ML. Additional topics cover reliability, fuel cells, sensor technology and new computer architectures which become important for automotive.

The AmEC is a conference featuring scientific papers as well as industrial keynotes, providing an excellent mixture of both worlds and thus the unique opportunity to an effective cross fertilization.

Automotive meets Electronics & Control and we are looking forward to meeting you in Dortmund!

*Your Conference Chairs*

*Prof. Dr. Martin Keller*  
*Fachhochschule Südwestfalen*

*Prof. Dr. Georg Schildbach*  
*Universität zu Lübeck*

*Dr.-Ing. Michael G. Wahl*  
*Universität Siegen*  
*Digital University Kerala*