Welcome to Krakow and the second International Workshop on Distributed Embedded systems (DEM 2015), which is held in conjunction with the 10th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC 2015) at Krakow, Poland from November 4 till 6, 2015.

The tremendous advances in communication technologies and embedded systems have created an entirely new research field in both academia and industry for distributed embedded software development. This field introduces constrained systems into distributed software development. The implementation of limitations like real-time requirements, power limitations, memory constraints within a distributed environment require the introduction of new software development processes, software development techniques and software architectures. It is obvious that these new methodologies will play an key role in future networked embedded systems. In order to facilitate these processes, further progress of the research and engineering on distributed embedded systems is mandatory.

The international workshop on distributed embedded systems (DEM) aims to bring together practitioners and researchers from both academia and industry in order to have a forum for discussion and technical presentations on the current research and future research directions related to this hot scientific area. Topics include (but are not limited to) Virtualization on embedded systems, Model based embedded software development, Real-time in the cloud, Internet of Things, Distributed safety concepts, Embedded software for (mechatronics, automotive, healthcare, energy, telecom, ...), Sensor fusion, Embedded multicore software, Distributed localisation, Distributed embedded software development and Testing. This workshop provides an international forum for researchers and participants to share and exchange their experiences, discuss challenges and present original ideas in all aspect of Distributed and/or Embedded Systems.

Many people contributed to the success of DEM 2015. First, I would like to thank the organising committee of the 3PGCIC 2015 International Conference for giving us the opportunity to organise the workshop. Second, I would like to thank our program committee members. And of course, I would like to thank all the authors of the workshop for submitting their research works and for their participation.

Finally, I would like to thank the Local Arrangement Chairs for the 3PGCIC conference.

I hope you will enjoy DEM workshop and the 3PGCIC International Conference, and have a great time in Krakow, Poland.

Peter Hellinckx, University of Antwerp, Belgium
DEM 2015 Workshop Chairs