

## Welcome from the General Chairs

We would like to express a warm welcome to all participants of the 20th Workshop on Smart Antennas. This year the workshop is back at the *Technische Universität München*, where it started its successful tour in 1996. This time, it is hosted by the *Institute for Advanced Study*, an institution which is unique in Germany, and is located at the Garching Campus of the TUM.

The workshop grew out of a focus project called *Mobile Communications*, started by the VDE/ITG, the Information Technology Society of VDE, the German Association of Electrical, Electronic and Information Technology Engineers. At that time, research was starting on a successor of GSM, the 2nd generation of cellular mobile communication systems, and also on extensions and upgrades of GSM. Now, after 20 years, the 5th generation is almost around the corner and we will see a number of contributions aiming at various aspects of 5G. Now, more than ever, the technology of smart antennas is indispensable in achieving the ambitious goals of future wireless communications systems.

We are proud that we have been able to attract worldwide renowned scientific experts as invited speakers, and that many high quality contributions have been submitted. For the first time, we have had to extend the workshop to two and a half days to accommodate all the submissions which have been accepted after a careful review process.

We would like to thank the Technical Program Committee and the local organization team for their efforts in putting together a very interesting program and welcoming social events. In addition, we would like to express our appreciation and sincere thanks to the sponsoring organizations.

We sincerely hope you will enjoy WSA 2016 and that you will benefit from networking with colleagues and pick up new ideas and directions.



*Josef A. Nossek*



*Wolfgang Utschick*