Message from the MDM 2018
Advanced Seminars Co-Chairs

It is our great pleasure to welcome you to the Advanced Seminar Track of the 19th IEEE International Conference on Mobile Data Management (IEEE MDM 2018), in the city of Aalborg, Denmark.

IEEE MDM’s Advanced Seminar track provides an opportunity for researchers and practitioners to explore in a more focused manner certain specific aspects related to mobile data management. This year, the advanced seminars are organized as 1 hour presentations. Seminars presented by experts in the field are an ideal format for students, researchers and practitioners that are interested to get a comprehensive overview of current research areas.

This year, the following three advanced seminars were selected to be presented at IEEE MDM 2018:

- **Targets and Shapes Tracking** by Goce Trajcevski (Iowa State University) and Peter Scheuermann (Northwestern University). This seminar brings together insights from Moving Object Databases, image recognition, traffic management and other fields that are interested in understanding tracking objects and shapes. A focus will be on different application domains and the applied methodology.

- **Telco Big Data: Current State & Future Directions** by Constantinos Costa and Demetrios Zeinalipour-Yazti (University of Cyprus). Data from Telecoms is created by huge number of users and is related to time and location. This seminar will discuss challenges and approaches to real time data analytics of telco data and will highlight open research problems.

- **Sensor Cloud: Sensing-as-a-Service Paradigm** by Sanjay K Madria (Missouri University of Science and Technology). Wireless Sensor Networks (WSN) and Cloud Computing are established paradigms at the end of the spectrum. Whereas WSN are small computing devices with sensing capability that reflect state of the physical world at a location, cloud computing resources are virtualized and allow elastic scaling of computing and storage. This seminar introduces an architecture that brings both worlds together.

All seminars are described in more detail in the extended abstracts in this volume. We are happy that the conference program is complemented by three seminars about these current and interesting research fields.

Welcome to IEEE MDM 2018 in Aalborg!

**Christian Becker**, University of Mannheim, Germany
**Matthias Renz**, George Mason University, USA
*IEEE MDM 2018 Advanced Seminars Co-Chairs*