

The SAM workshop is an important IEEE signal processing society event dedicated to sensor array and multichannel signal processing. This workshop contains tutorials and special sessions which invites the international community to present the state-of-the-art developments in the field, along with plenary talks by leading researchers, as well as poster and oral sessions with presentations by the participants. Well-known experts in the field participated the workshop and presented their works on a variety of important and interesting topics, starting with tutorials on automotive radars and distributed joint radar communication, followed by plenaries and special sessions on array signal processing in the field of integrated sensing, communication systems and radars which are the core technology for smart transportation and mobility.

At the workshop I had the opportunity to get acquainted to other international research groups that deal with the field of automotive radars. I was exposed to new works and ideas by other groups that may lead to future collaborations and joint research. Specifically, works on "Total Variation Compressive Sensing for Extended Targets in MIMO Radar" By Ignacio Roldan from Delft University of Technology in Netherlands, "Target Range and Velocity CRLBs for Collocated MIMO Radar in CES Disturbance" By Neda Rojhani from the University of Pisa in Italy and "A Generative Cramér-Rao Bound on Frequency Estimation with Learned Measurement Distribution" by Hai Victor Habi, Hagit Messer and Yoram Bresler from Tel-Aviv University in Israel and University of Illinois, UC. These works are directly related to our research topics in automotive radars, and a collaboration with these research groups can yield significant progress in this domain.

My research on automotive radars operation under multipath conditions in urban environments ("Misspecified Cramér-Rao Bound for Multipath Model in MIMO Radar") was successfully presented to other researchers who showed interest in the subject. I got great feedbacks and insights about the work, and ideas for further research and development.

In conclusion, the conference was innovative and interesting. During the workshop I was exposed to new ideas and got to know new research groups. I've successfully presented my research to others, and form future collaborations in the research community.