CALL FOR SPECIAL TRACK PAPERS

ST4: Human Body Communications (HBC)

Organizing Chairs:

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Special Session on Human Body Communications (HBC)

Human body communication (HBC) uses human body itself as a communication route to transmit data. It usually operates at dozens of kHz to dozens of MHz, because at these frequencies the propagation loss along the human body is smaller than that through the air. This feature makes it be especially promising in the healthcare, medical diagnoses, consumer electronics and user identification applications, and be also suitable to establish a body area network.

The purpose of this special session is to provide a forum for researchers from multiple disciplines to share, present, and to discuss recent advances in the human body communication technologies for the above-mentioned applications. Both regular paper and short paper submissions are welcome. Topics include, but are not limited to:

- HBC mechanism
- HBC channel modeling
- HBC transceiver development
- HBC system development and applications
- HBC related electromagnetic compatibility issues

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