

BodyNets 2014 Special Track on

“Millimeter-wave Body Area Networks (MilliBAN)”

Technically supported by IC1004.

Organizing chairs:

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Due to the huge potential of Wireless Body Area Networks (WBANs) in terms of applications (medical but not only), it is expected in the future that a considerable number of people will wear such WBANs. Interference could then become an issue that would slow down their development. Recent years have witnessed a growing interest by the ICT community on the use of millimeter-waves for WBANs. Given higher propagation loss, their limited coverage would truly permit the coexistence of several WBANs within a given area. It would also contribute to solve privacy issues that are crucial with such technology.

Along with extreme miniaturization constraints, and the convergence with high-data rate requirements in 5G radio access, these aspects encourage the use of millimeter-wave frequencies.

Topics of interest:

The objective of the MilliBAN special track is to present the latest developments in Wireless Body Area Networks that operate at millimeter-wave frequencies.

The session topics are (but not limited to) in the following inter-disciplinary areas:

- Propagation
 - Intra-/In-/On-/Off-Body channel modeling and measurement
 - Simulation: numerical and analytical techniques
- Hardware
 - Active and passive circuits
 - Antennas
- Communication protocols
- Network
 - QoS and interference
 - Topology dynamics management
- Energy and consumed power assessment
- Localization in WBAN
- Security/privacy
- Applications

Submission

Regular papers must be submitted by the 1st of June 2014. Please visit <http://bodynets.org/2014/show/initial-submission> for detailed submission instructions.

Technical Program Committee (TPC)

- Bernard Huyart, *Telecom ParisTech, France*
- Christophe Roblin, *Telecom ParisTech, France*
- Claude Chaudet, *Telecom ParisTech, France*
- Jean-Michel Dricot, *Université Libre de Bruxelles, Belgium*
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- Christophe Loyez, *CNRS/University of Lille, France*
- Aziz Benlarbi-Delai, *Sorbonne Universités, UPMC Univ Paris 6, France*

The special track will be also technically supported by the Topical Working Group on Body Environment (TWGB) of the IC1004 action.