**IEEE 802.15**

**Wireless Speciality Networks**

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| Project | IEEE P802.15 Working Group for Wireless Speciality Networks (WSNs) |
| Title | TAG THz July 2019 Meeting Minutes |
| Date Submitted | 17 July 2019 |
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| Re: |  |
| Abstract | Meeting notes on the 802.15 IG THz March 2019 Meetings |
| Purpose | Meeting Minutes |
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**TAG THz July 2019 Meeting Minutes**

The TAG THz meetings were held on July 15-16, 2019 at the Austria Congress Center, Vienna (Austria)

Mon. PM2

The meeting was called to order at 16:00 on July 15, 2019.

The patent policy was mentioned, and no patent contributions were discussed.

Approval of the TAG THz agenda (15-19-0185r3)

Approved with unanimous consent.

Approval of meeting minutes of the last TAG THz meeting (15-19-0111)

Approved with unanimous consent.

Listening the the following contributions:

**Contribution #1**

Dan Mittleman (Brown University) “Terahertz wireless communications: A photonics perspective” (19/0256)

**Contribution #2**

Tuncer Baykas (Vestel), “Review of report ITU-R SM.2450” (19/285r1),

“Works towards the Revision of ITU-R SM.2352-0Report” (19/0275r1)

**Contribution #3**

Thomas Kürner (TU Braunschweig), “IEEE 802.15 TAG THz Input to the Revision of ITU-R SM.2352” (19/0276)

**Contribution #4**

Alenka Zajic (Georgia Tech “Measurements and Modeling of THz Chip-to-Chip Channels in Metal Enclosures” (19/0257)

**Contribution #5**

Tae-In Jeon (Korea Maritime and Ocean University), “Propagation of THz ps pulses through the atmosphere” (19/0277)

**Recess at** 17:59

Tue AM1

**Discussion #1**

Thomas Kürner (TU Braunschweig), “IEEE 802.15 TAG THz Input to the Revision of ITU-R SM.2352” (19/0276r1)

Following changes were made on the document.

-Ref [3]( <https://www.itu.int/pub/R-REP-SM.2352-2015>) was added.

-Minor editorial correction

**Contribution #6**

Iwao Hosako (NICT), “Prospect of next ten years R&D on THz communication” (19/0307r1)

**Contribution #7**

Carlos Castro (Fraunhifer HHI), “100 Gb/s Real-Time THz Wireless Link Demonstration” (19/0293)

**Contribution #8**

Bo kum Jung (TU Braunschweig), “Simulation and Automatic Planning of 300 GHz Backhaul Links - First Results from H2020-ThoR” (19/0278)

**Contribution #9**

Johannes Eckhardt (TU Braunschweig), “Low THz Band Propagation Measurements for Beyond 5G Vehicular Communications” (19/0279)

**Recess at 09**:**52**

Tue PM2

**Motion #1: TAG-THz**

Thomas Kürner (TU Braunschweig), “IEEE 802.15 TAG THz Input to the Revision of ITU-R SM.2352” (19/0276r3)

-Moved by: Iwao Hosako (NICT)

-Seconded by: Jörg Robert (FAU Erlangen-Nürnberg)

-5 Yes/ 0 Abstain/ 0 No

**Contribution #10**

Thomas Kürner (TU Brunaschweig), “Channel Characterization for Intra-Wagon Communication at 60 and 300 GHz Bands” (19/0308)

**Contribution #11**

Onur Sahin (InterDigital), “Comparison of 5G NR LDPC and Polar Codes for above 100 Gbps throughputs” (19/0306)

**Discussion #2**

Next meetings

-May 2020 @IEEE802 Wireless Interim, Warsaw, Poland

-November 2020 @IEEE802 Wireless Plenary, Bangkok, Thailand

Adjourn on July 16, 2019 at 17:10

List of Participants: 21 persons

Thomas Kürner (TU Brausnchweig)

Iwao Hosako (NICT)

Dan Mittleman (Brown University)

Alenka Zajic (Georgia Tech)

Tae-In Jeon (Korea Maritime and Ocean University)

Bo kum Jung (TU Braunschweig)

Johannes Eckhardt (TU Braunschweig)

Carlos Castro (Fraunhofer HHI)

Onur Sahin (InterDigital)

Tuncer Baykas (Vestel)

Jörg Robert (FAU Erlangen-Nürnberg)

Yeong Min Jang (Kookmin University)

Johannes Wechsler (Fraunhofer IIS)

Ryuji Kohno (Yokohama National University)

Jay Holcomb (Itron Inc.)

Tobias Harter (KIT)

James Gilb (GA-ASI)

Shoichi Kitazawa (Muroran IT)

Johannes Vechsler (Fraunhofer IIS)

Gianfranco Miele (University of Cassino and Southern Lazio)

Onur Oguz (Valeo CDA)