



**First face-to-face meeting as Technical Committee**

**Tuesday May 21, 2018 09:00-10:00 am**

➤ **Welcome & Introduction**

- Meryem Simsek – apologies sent
- Falko Dressler – present
- Oliver Holland – present
- ~ 25 attendees

➤ **Highlights of the ICC 2018 Meeting**

- Falko Dressler summarized the highlights of the ICC 2018 face-to-face meeting, which included
  - Request for more publicity
  - Reports on activities:
    - Workshops organized at ICC, WCNC, and Globecom
    - New Tactile Internet track at IEEE Globecom 2018 + 2019 SAC Symposium
    - Special issue in JSAC – to be published soon
    - Special issue in Proceedings of IEEE – to be published Q1 2019
    - Standardization activities
    - New projects on TI globally!
    - Election of the chair of the TC: Meryem Simsek
    - Election of the vice chair of the TC: Falko Dressler
    - Election of the secretary of the TC: Oliver Holland
    - The website still requires some polishing
    - P&Ps to be prepared (postponed due to planned general TC-board meeting)

➤ **History of the TI-TC**

- Falko Dressler presented the TC's activities since its starting date in June 2015, as follows

- Proposed at ICC'15 as a technical initiative/sub-committee and directly accepted
  - More than 10 workshops and tutorials organized since then in IEEE ComSoc flagship conferences
  - Started the standardization working group IEEE P1918.1 in 2016
  - Two special issues in IEEE JSAC and Proceedings of IEEE
  - Starting in 2018, a new TI track in Globecom SAC
  - A technical committee since Globecom 2017
  
- Discussion on new activities
  - There was a fruitful discussion on new activities of the TC
    - Proposition paper to distinguish from IoT and 5G
      - Upcoming editorial in Proceedings of IEEE
      - Upcoming article in Proceeding of IEEE
      - Any other paper required?
    - Special interest groups
      - Architecture
      - Applications
      - Edge intelligence
  
- Report on standards activities
  - ETSI: Work item on IPv6 based Tactile Internet within the ISG IPv6
    - Lead by Meryem Simsek
    - Supported Toshiba Research Europe
    - Completed
  - IEEE:
    - Oliver provided a brief update on IEEE standards activities, including progress with the architecture and use cases development for the baseline IEEE 1918.1 standard, and the current progress with phases of work in the IEEE 1918.1.1 Haptic Codecs task group. IEEE 1918.1 is close to completion with some minor aspects of architecture to be dealt with; IEEE 1918.1.1 is at the phase of the call for contributions on Tactile Codecs, the Kinesthetic Codecs call and contributions submitted having completed.
  
- Report on conferences
  - Falko Dressler summarised conferences as follows
    - IEEE ICC 2015: Workshop on “5G & Beyond – Enabling Technologies and Applications”
    - IEEE Globecom 2015: Workshop on “Ultra-Low Latency and Ultra-High Reliability in Wireless Communications”
    - IEEE WCNC 2016: Workshop on “IEEE International Workshop on 5G & Beyond – Enabling Technologies and Application with

focus on the Tactile Internet & Vertical Industry” (workshop program)

- ▶ IEEE Globecom 2016: Workshop on “Ultra-Reliable and Low-Latency Communications in Wireless Networks (URLLC)”
  - ▶ IEEE Globecom 2016: Workshop on “Wireless Networking, Control and Positioning for Unmanned Autonomous Vehicles”
  - ▶ IEEE WCNC 2017: Workshop on “5G & Beyond – Enabling Technologies and Applications with focus on the 5G Tactile Internet (5G TACNET)”
  - ▶ IEEE Globecom 2017: Workshop on “Ultra-Reliable and Low-Latency Communications in Wireless Networks (URLLC)”
  - ▶ IEEE ICC 2018: Workshop on “5G & Beyond – Enabling Technologies and Applications with focus on the 5G Tactile Internet (5G TACNET)”
  - ▶ IEEE Globecom 2018: Workshop on “Ultra-Reliable and Low-Latency Communications in Wireless Networks (URLLC)”
  - ▶ IEEE Globecom 2018: TI track in Selected Areas of Communications (SAC) Symposium
  - ▶ IEEE Globecom 2019: TI track in Selected Areas of Communications (SAC) Symposium
- 
- ▶ Report on publications
    - ▶ Falko Dressler summarized the upcoming publications as follows
      - ▶ Special issue in JSAC  
<https://www.comsoc.org/jsac/cfp/emerging-technologies-tactile-internet-and-backhaulfronthaul-networks>
      - ▶ Special issue in Proceedings of IEEE  
<http://proceedingsoftheieee.ieee.org/upcoming-issues/tactile-internet/>
- 
- ▶ P&Ps were summarized as follows, it was highlighted that the TC is actively working on developing the P&Ps, however, that development relied on the Technical Committees Board meeting that was occurring the next day as they are discussing harmonized P&Ps there. TI TC P&Ps will be further worked on after that meeting.
    - ▶ Required for all TCs
    - ▶ Topics to be captured:
      - ▶ Membership
      - ▶ Officers
      - ▶ Nomination and Election Procedures
      - ▶ TC Meetings
      - ▶ Finances
      - ▶ Special Interest Groups
      - ▶ Liaisons
      - ▶ Awards

- ▶ Any other Business was discussed as follows
  - ▶ Total number of subscribers to the mailing list: 157 (It was 136 in May'18!)
  - ▶ Website administration
  - ▶ P&Ps
  - ▶ Suggestions for improvements?
  - ▶ Further ideas?