

TCCN SIG on Cognitive Radio for 5G

Sync Meeting

20-May-2019

Overview

- The SIG has published a White Paper on „Novel Spectrum Usage Paradigms for 5G“
- The SIG has organized several remote workshops on key upcoming topics
- The SIG had limited activity recently
- It is time to restart discussions on 5G for vertical industries (automotive, industrial automation, etc.); CR for 5G is expected to be key here.

Information - White Paper: „Novel Spectrum Usage Paradigms for 5G“

- Previous activities of the TCCN SIG for 5G lead to the publication of a White Paper:
- A 1st White Paper was issued following the Call-for-Contributions in the 1st Remote Workshop of the SIG.



Three remote Workshops had been organized

- 1st remote workshop: New Spectrum Usage paradigms for 5G
 - The discussion was followed by the creation of a White Paper
- 2nd remote workshop: Millimeter-wave Access for 5G and Context Aware Cell Association to Enhance the Performance by Kei Sakaguchi, Osaka University
- 3rd remote workshop: Next generation Spectrum Sharing approaches (presentation: „Spectrum Sharing for Capacity and Business Growth“ by INTEL)

Reorientation of focus of the SIG

- We propose to still focus on Cognitive Radio for 5G
- But... We suggest to address specifically **vertical applications** including automotive and industrial applications.
- Feed-back is most welcome. If there is support, we propose to exchange views, trigger collaboration and identify detailed technical discussions for the future.

We are very much looking forward to a
fruitful cooperation

