

TCCN SIG on Cognitive Radio for 5G

Sync Meeting

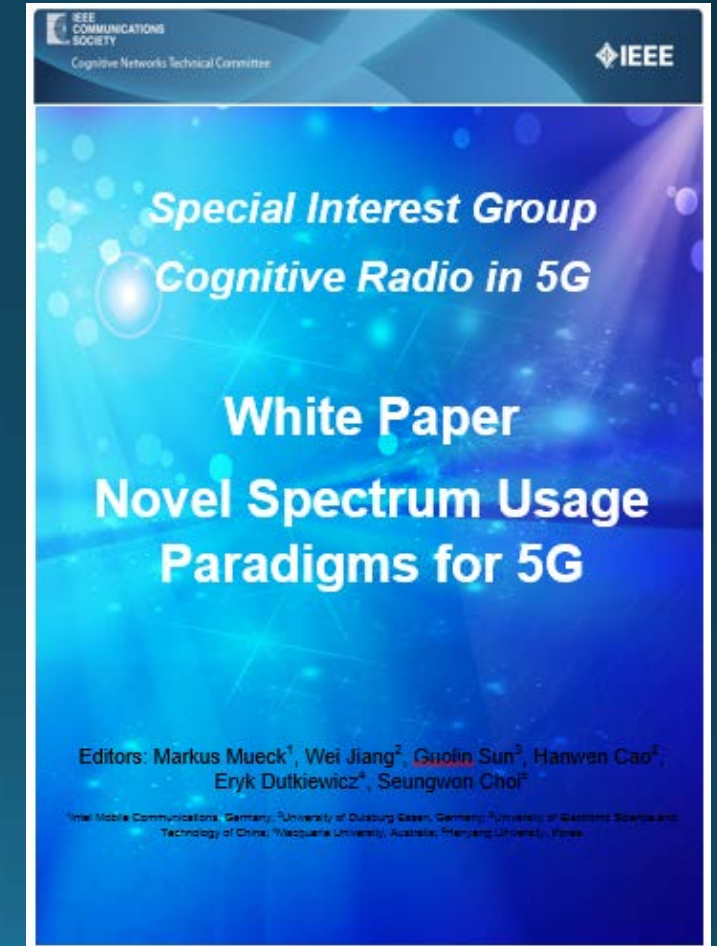
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Overview

- The SIG has published a White Paper on ``Novel Spectrum Usage Paradigms for 5G``
- The SIG has organized several remote workhops on key upcoming topics
- Next Steps: A new workshop will be announced soon on Software Reconfiguration and its relevance to Automotive Communications.

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.
- The White Paper is publicly available on the TCCN Web Site (see right hand side)



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)

Objectives for Remote Workshops of IEEE TCCN SIG for Cognitive Radio in 5G

- Industry/Academics representatives will share views / information on open problems.
- We will discuss the relevance of the proposed problems to academic / industrial research.
- We identify most promising directions and invite interested participants to jointly develop scientific papers addressing the suggested needs.

A 4th remote workshop will be announced soon

- Proposed topic: Software Reconfiguration and its relevance to Automotive Communications
- Further topic proposals are most welcome!

Reasoning

- Automotive Communications are HOT !
- A major challenge needs to be addressed: How to make sure that the on-board communication technology remains relevant during the lifetime of a car?
- Efficient Software Reconfiguration technology is a key enabler. ETSI RRS recently published an eco-system including technical, security & certification solutions of increased efficiency over existing (middleware based) approaches.

We are very much looking forward to a
fruitful cooperation

