TCCN Newsletter Report

Presentation at IEEE ICC 2020

Introduction

- TCCN Newsletter is a bi-annual electronic platform dedicated to present and discuss some emerging topics related to TCCN areas of interest.

- Topics already covered (since December 2015):

    - Ultra-Reliable Low-Latency Communications (URLLC)

    - Massive Machine-Type Communications (mMTC)

    - Unmanned aerial vehicles (UAV)

    - Non-Orthogonal Multiple Access (NOMA)

    - mmWave Communications

    - Blockchain

    - Internet of Things

    - Artificial Intelligence

    - THz Communications

New Issue – June 2020

This new issue covers two areas that will have great impact in 6G

- **Quantum Communications**
- **Reconfigurable Intelligent Surfaces**

Quantum Communications

- Feature Editor: Dr. Daryus Chandra, University of Naples Federico II, Italy

- Three Interviews by:

    1) Prof. Robert Malaney, University of New South Wales, Australia

    2) Prof. Angela Sara Cacciapuoti, University of Naples Federico II, Italy, France

    3) Prof. Mohsen Razavi, University of Leeds, UK

- One Position Paper:

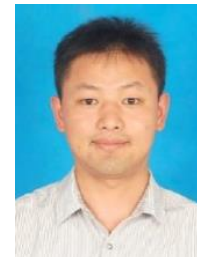# 'Rebooting Communications' - A Quantum-Domain Perspective

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New Issue – June 2020

Reconfigurable Intelligent Surfaces:

- Feature Editor: Prof. George C. Alexandropoulos, National and Kapodistrian University of Athens, Greece

- Three Interviews by:

   1) Prof. David Smith and Dr. Mohammadreza F. Imani, Duke University, USA

   2) Prof. Chau Yuen and Dr. Chongwen Huang, Singapore University of Technology and Design, Singapore

   3) Prof. H. Vincent Poor, Princeton University, USA

- Two Position Papers:

Reconfigurable Intelligent Surfaces and Metamaterials:
The Potential of Wave Propagation Control for 6G Wireless
Communications

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Reconfigurable Intelligent Surfaces for 6G Wireless Systems

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Thank you for your attention!!