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# **TCCN Newsletter Report**

**Presentation at IEEE GLOBECOM 2019**

# Introduction

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- 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):
  - URLLC
  - mMTC
  - UAV
  - NOMA
  - mmWave
  - Blockchain
  - Internet of Things
- Current Director:
  - Prof. Daniel Benevides da Costa, UFC, Brazil

# New Issue – December 2019

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

- **Artificial Intelligence (AI)**
- **Terahertz (THz) Communications**

## **Artificial Intelligence:**

- Feature Editor: Prof. F. Rafael M. Lima, UFC, Brazil
- Four Interviews by:
  - Prof. Tim O'Shea, DeepSig Inc., Arlington, USA
  - Dr. Jakob Hoydis, Nokia Bell Labs, France
  - Prof. Mérouane Debbah, Huawei, France
  - Prof. Deniz Gündüz, Imperial College London, UK
- One Position Paper by:
  - Prof. Deniz Gündüz, Imperial College London, UK
  - Title: Machine Learning Applications for Future Wireless Networks

# New Issue – December 2019

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## THz Communications:

- Feature Editor: Dr. Hadi Sardeddeen, KAUST, Saudi Arabia
- Three Interviews by:
  - Prof. Daniel Mittleman, Brown University, Rhode Island
  - Prof. Josep Miquel Jornet, Northeastern University, USA
  - Dr. Onur Sahin, InterDigital Inc., UK
- One Position Paper by:
  - Prof. Cyril C. Renaud, University College London, UK
  - Title: The Future of Broadband Communications: Is THz Photonics the Answer?

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*Thank you for your  
attention!!*