

## The Case Of 6gand Beyond

**Patrick Fiati**

Cape Coast Technical University, Cape Coast, Ghana

### Abstract

Following the commercialization of 5G technologies, both academia and industry are initiating research activities to shape the next-generation communication system, namely 6G. Considering the general trend of successive generations of communication systems introducing new services with more stringent requirements, it is reasonable to expect 6G to satisfy unprecedented requirements and expectations that 5G cannot meet. We expect that 6G will provide ultimate experience for all through hyper-connectivity involving humans and everything. In this research, we aim to provide readers with a comprehensive overview of various aspects related to 6G, including technical and societal trends, services, requirements, and candidate technologies.

#### SUMMARY

For 6G, it should be pointed out that many frequency bands spanning from 28GHz to 90GHz (and beyond) are also under consideration. This spectrum has already been extensively used for decades, mostly for satellite communications in the figure below:

### Biography

Patrick fiati is the ceo of romapak ltd. Patrick Fiati is also a Lecturer at Cape Coast Technical University. He teaches Telecommunications and Computer Operating Systems at the Electrical/Electronic Engineering Department. His research cuts across all fields. He researched on NASA project on RAPIDSCAT and QUIKSCAT launch in Space.

He is part of the Oyster research in Japan, Singapore and South Korea. He was recently part of the Award nominees in a Robotic Conference in South Korea. He holds a Master's and PhD in Telecommunication Engineering.