Title: Channel Sounding Metrology Project

Description: An appointment is requested to assist in 5G millimeter wave radio measurements and modeling. This project seeks to develop standards for next generation commercial radio communication systems to alleviate spectrum shortages and provide new technology.

Education level: Postgrad or Postdoc
The desired candidate should have a master’s degree or PHD in Electrical Engineering or Physics.

Desired experience:
- Educational experience with radio communications, antennas and RF system hardware and radio wave propagation is desirable.
- The candidate would be required to perform laboratory and field measurements, calibrations using radio channel impulse response hardware at millimeter wave frequencies.
- Experience with high speed digitizers, arbitrary wave form generators, VNA’s, oscilloscopes, navigation systems, robotics and microcontroller programming would be desirable.
- The candidate will be required to learn time domain methods for channel sounding and become an expert in channels models, measurements and data analysis.
- A background in EM theory, mathematics including statistics is required. Good writing and verbal skills are also required.

Suggested Start: ASAP
Expected End Date: 31-JAN-2021

For more information contact:
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