Proposal

16 Sep 2021

Initial Proposal

From: Stevens Institute of Technology ECE Department

To: Air Force Research Laboratory and Wright Brothers Institute

Subj: Proposal for AFRL Beyond 5G SDR University Challenge

1. Proposed Goal. Using the Software Defined Radio kit, the students, guided by their mentor, will continue an ongoing project which creates a system which can identify and deter unwanted signals within a specified distance.

2. Development Plan.

a. Participants finalized and the proposal approved by the Senior Design Department chair. Final proposal will be submitted by September 30, 2021.

b. While the team waits for the supplied SDR kit, the students will research Software Defined Radio and create a business model.

c. Data collected for Machine Learning part of the project.

3. Administration and Logistics.

a. Dr. Lu is current mentor, but may change.

b. SDR kit is requested.

c. Blah blah blah.

K. LU

Dr. PhD, Stevens Institute of Technology

ECE Department Chair