



Celtic-Plus Proposers Day 20th June 2017, Helsinki

Pitch of the Project Proposal:

Machine learning and big data analytics (for spatial and temporal demand shaping) in wireless communications (5G and beyond)

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Celtic-Plus The idea:

For heterogenous networks (HetNets): utilize and take advantage of the

- 1. Machine/deep learning and
- 2. Big data analytic tools

that have been developed during the last decade and use them to add

- more cognitive/learning ability in the system,
- well informed user centric decisions/optimizations,
- self evolution/adaptation capability,

and apply them to HetNets for 5G and beyond wireless systems.

If you are an algorithm/SW/system developer for wireless communications, and would like to get ahead by adding value to the existing solutions by using deep learning algorithms/Al/data analytics tools, this project may be a good opportunity.

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Partners



- Currently we are working with Carleton University, Ottawa, Canada.
- Institute Mines Telecom, Telecom SudParis has shown interest.
- We need at least 6-10 algorithm and software development partners;
- At least 1 mobile network operator, possibly 2.

- Here is another Project Proposal Topic to be investigated:
 - Drone/UAV/aerial Base Stations and low-altitude/mediumaltitude/high-altitude platforms (LAPs/MAPs/HAPs) for Wireless Base Stations to maximize coverage for users with different QoS requirements.



Contact Info



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