Celtic-Plus Event
Project Ideas and Networking
20th of June, Helsinki

Health^5G

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We envision a health monitoring system with heterogeneous networks by having various wireless radio technologies, protocol designs, standards, and semantics. Such a system should satisfy application requirements in terms of connectivity, reliability, timeliness and throughput.
Medical information platforms and messaging

eHealth applications

Data management for health solutions

Medical and eHealth devices

Security and privacy

Network and cloud technologies and devices
Approach

Identify and refine novel use cases of eHealth that take advantage of 5G capabilities

- Define requirements and system architecture for 5G-enabled eHealth services based on the use cases
- Study and develop 5G enablers for the use cases
- Develop novel eHealth applications and solutions
- Tackle interoperability in terms of hardware and software to enable healthcare within 5G
- Validate the solutions in real 5G test networks and using eHealth IoT devices equipped with various radios and standard protocols
- Disseminate, contribute to standardisation and exploit the results
Finland
- Nokia Bell Labs, Mobile Networks and Technologies
- VTT Technical Research Centre of Finland Ltd (CC)
- Åbo Akademi University

Spain
- Universitat Autònoma de Barcelona
- Experis IT
- Pulso
- Quobis

Hungary
- BundlesLab Ltd. (CC)

Korea
- KOOKMIN University (CC)
- HUFS

Belgium
- IMEC (CC)

Israel
- LiveU

Turkey
- ENFORMA BİLİŞİM A.Ş. (CC)
- Memorial Healthcare Group
- Acıbadem University - Medical Engineering
- Turkcell

France
- STMicro

Germany
- MCS Data labs
- DAI Labor, Technische Universität Berlin (CC)
- Highstreet technologies GmbH
- Fraunhofer IIS

Ukraine
- National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute” (CC)

Sweden
- Mälardalen University (CC)
- CNET
- RISE/SICS, Alten and Tele2
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