



CELTIC-NEXT

Innovate UK Summer

Briefing

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Pitch of the Project Proposal

Adaptive multilink resource management for QoS / QoE
in delivery of services to terminals in the home over
sliced infrastructure



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Teaser



The main benefit is improved QoE of communications in home / small office

The added value is efficient resource management for mixed wired and wireless communication paths

This work is key to improving in-home QoE along with efficient use of resources

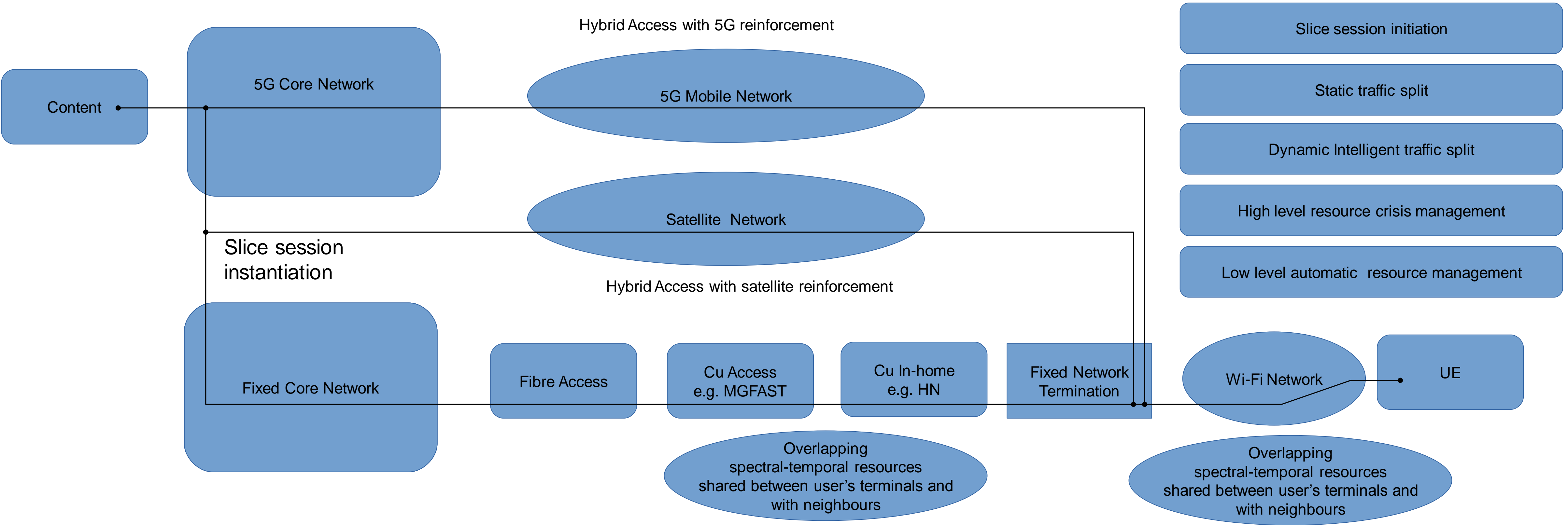
Organisation Profile



Communications Research Ltd is a start-up specialising in modelling and simulations of cross domain resource management (wired / wireless)

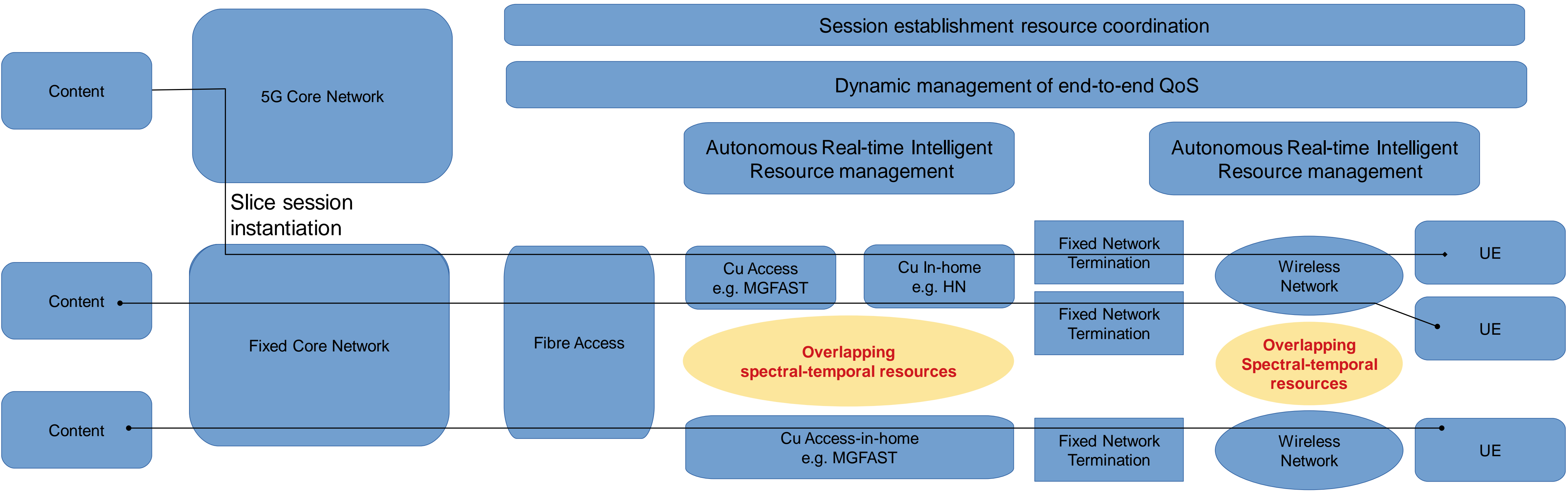
Expertise in Cu and wireless broadband transmission systems, signal processing, and network requirements

Proposal Introduction (1)



The challenge of interest is hybrid access with end-to-end slicing with particular focus on satellite reinforcement for rural areas

Proposal Introduction (1)



Spectral and temporal resources shared between user's terminals and with neighbours' terminals

The challenge of interest is centralised / distributed resource management on Xhaul and access portions, to support slicing, in the context of many users who may be constricting each other, and a mix of available technologies.

Proposal Introduction (2)



Expected outcome is improved sharing of spectrum and scalable, viable slice management across multiple in home systems.

The major tasks on the project are envisaged to be:

- Use-case analysis and architecture design with learning*
- Modelling of traffic and resource management problem and algorithms*
- Verification of algorithms on test-beds*
- Standards participation with contributions*

Partners



We are seeking to join plans to merge the H-OPTO and FU5ION projects

We are here to seek out partners, and would like to work with systems integrators, in-home terminal vendors and chip designers.

Contact Info

For more information and for interest to participate please contact:

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Presentation available via:

