Job Main Goals

- Design and development of a 5G-SMPTE 2110 gateway for connecting wireless cameras in a 5G studio, in collaboration with BBC R&D (UK) and the EBU (Switzerland)
- Support in technical trials and demonstrations
- Participate in the EBU’s group 5G in Content Production

Candidate Requirements

- BSc/MSc/PhD in Telecommunications/Electrical Engineering
- Knowledge in mobile communications (LTE, 5G) and multimedia communications is highly desirable
- Advanced skills in C++ programming language
- Fluent in English and good communication skills

Supervisor: Prof. David Gomez-Barquero

Payroll: 22-28k€/year (gross salary) based on qualification/experience

Job description

The Mobile Communications Group (MCG) of the iTEAM Research Institute will coordinate the H2020 European project 5G-RECORDS (5G key technology enableRs for Emerging media Content pRoDuction Services). The project will integrate several content production components such as wireless cameras and microphones into premium end-to-end 5G infrastructures to deploy IP wireless 5G content production studios, and demonstrate and validate three use cases. The candidate will join 5G-RECORDS to work in the design and development of a 5G gateway to the SMPTE 2110 standard used for broadcast IP production. Pursuing the PhD degree is compatible with the job position.

Project

- 5G-RECORDS is a 5G-PPP (www.5g-ppp.eu) project
- The project will develop, integrate and demonstrate 5G Release-16/17 technologies, focusing on content production use cases: (i) live audio production, (ii) a multiple camera wireless studio, and (iii) live immersive services
- Formed by 18 partners from 9 countries (44% high-tech SMEs)
  - 5G infrastructures: Nokia, Ericsson, Eurecom, Telefonica
  - Production studios: BBC, EBU, Sennheiser, RAI, Red Bee Media

Duration: 2 years (Sept. 2020 – Aug. 2022)

If you are interested: send your CV and motivation letter to dagobar@iteam.upv.es