

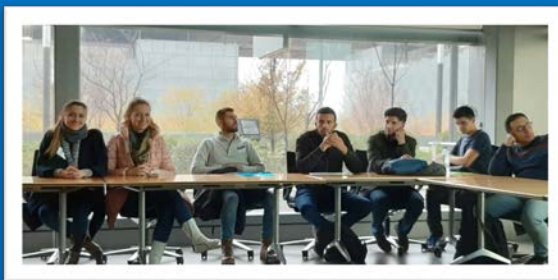


# TeamUp5G Newsletter

December 2019

## INITIAL WORKSHOP

TeamUp5G project organized their Initial Workshop at Universidad Carlos III de Madrid (Leganés Campus), Madrid, Spain. Hosts welcomed and introduced ESRs. ESRs were provided with Key information and project activities.



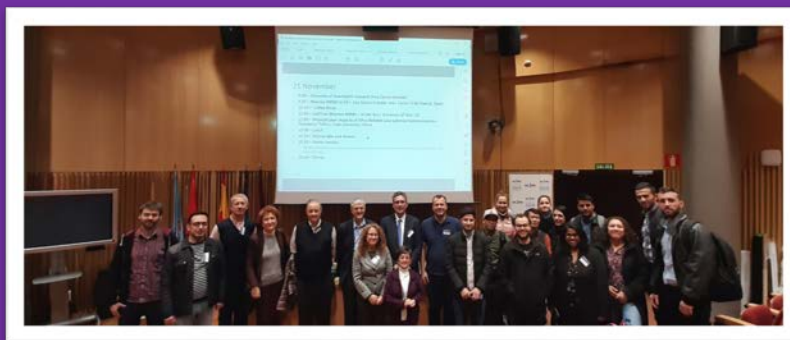
MADRID, NOVEMBER 19, 2019

## WINTER SCHOOL ON NEW RADIO ACCESS TECHNIQUES

Co-sponsored by VTS and IRACON <COST>, successfully organized the Winter School at Universidad Carlos III de Madrid (Leganés Campus), Madrid, Spain.

It covered seminar on patents and IPR followed by session on “New radio access & Video techniques”.

Different technical training topics: signal processing, modulation, random access schemes and resource management, multicarrier waveforms, multi-antenna techniques, cell-free massive MIMO, scheduling algorithms, system level optimization, new use cases and video applications (UHD Video, VR/AR...), QoS/QoE along with various transversal topics: business aspects, cost/revenue trade-off, public policies for spectrum sharing and new frequencies, entrepreneurship were emphasized.



MADRID, NOVEMBER 20-22, 2019

## POSTER PRESENTATION

Not only "Each ESR presented a poster" but also some other students attending the WS from several universities presented a poster explaining their research area and findings. Experts from Academia and Industries witnessed the presentation and provided their valuable feedback and ideas.



MADRID, NOVEMBER 21, 2019

## INDUSTRIAL VISITS & DEMO

At Nokia Bell Labs, Alvaro Villegas presented the talk on "AR/VR in 5G" followed by talk on Practical massive MIMO considerations by F. Javier Lorca at Telefonica.



MADRID, NOVEMBER 20, 2019

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*For More Details [here](#)*

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TeamUp5G project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie project number 813391.

Further information on [here](#)

## New Onboard ESRs



**ESR 1: New Scheduling Algorithms for Interference Management in Small Cells at millimeter-wave frequencies**

David Alejandro Urquiza Villalonga [in](#)  
PhD Enrollment: Universidad Carlos III de Madrid



**ESR 4: PHY/MAC Design of Future SCs adopting Multi-packet Reception and Full-Duplex Communications**

Ayman Abu Sabah  
PhD Enrollment: Universidade Nova de Lisboa (UNL)



**ESR 7: Licensed shared Access in Heterogeneous Networks with Small Cells**

Bahram Khan [in](#)  
PhD Enrollment: Universidade da Beira Interior (UBI)



**ESR 12: Signal Processing Techniques for Massive MIMO Enabled Millimeter Wave Communication**

Aboubacar Mchangama  
PhD Enrollment: EXYS (EXYS)

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For ESRs Details [here](#)

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**PROGRESS AND MID TERM CHECK MEETINGS  
FEBRUARY 12-13, 2020**



**MADRID, PUERTA DE TOLEDO (UC3M CAMPUS)**

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