



European H2020 5G 2nd Phase project: Internet-of-Radio Light (IoRL) Workshop

Monday, 26 October 2020 - ISEP

10 rue de Vanves Issy-les-Moulineaux
Subway Station : Corentin Celton (line 12)

Organizing Committee

Prof. Xun Zhang, ISEP – France / Adam KAPOVITS, Eurescom-Germany
John COSMAS, Brunel University-UK / Eric LEGALE, IssyMedia – France

Organisers



Workshop agenda

| Time | Topic |
|-------------|---|
| 9.00 -9.30 | Registration |
| 9.00-9.15 | Welcome – Adam Kapovits, Eurescom |
| 9.15-9.45 | Introduction to European 5G research IoRL – John Cosmas, Brunel University |
| 9.45-10.50 | 5G Radio Access Network RAN <ul style="list-style-type: none"><i>a. 5G Distributed RAN - Israel Koffman, RunEL</i><i>b. mm-wave Module and Antennas - Robert Muller, FhG</i><i>c. VLC Module, LED and Radio Light System – Jintao Wang, Tsinghua University & Ben Meunier Brunel University</i> |
| | User Terminal <ul style="list-style-type: none"><i>a. Test Terminal - Wei Li, Viavi Solution plc</i><i>b. VLC Receiver – Bastien Bechadergue, Oledcomm SA</i> |
| 10.50-11.00 | 10 minute break |
| 11.00-12.45 | SDN-NFV <ul style="list-style-type: none"><i>a. Security – Marcin Gregorczyk, Warsaw University of Technology</i><i>b. Multisource Streaming – Mathias Lacaud, Joda SA</i><i>c. Location Database – Lina Shi, Institut supérieur d'électronique de Paris</i><i>d. Location Data Fusion - Ben Meunier, Brunel University</i><i>e. Follow-Me TV – Nawar Jawad, Brunel University</i><i>f. Load Balancing – Charilaos Zarakovitis, National Centre for Scientific Research Demokritos</i> |

| Time | Topic |
|-------------|---|
| 12.45-14.00 | Lunch |
| 14.00-15:05 | Applications <ul style="list-style-type: none"> <i>a. 4kTV – Furkan Comert, Arcelik SA</i> <i>b. Multi-Player Gaming – Ben Meunier, Brunel University</i> <i>c. Location based data access, monitoring and guiding – Kareem Ali, Brunel University</i> |
| 15.05-15.15 | 10 minutes break |
| 15.15-15.45 | Performance Result and discussions Yue Zhang, Leicester University |
| 16.30-18.00 | Discussions |
| 15.45-16.00 | Demonstrator Video |
| 16.00-16.30 | Discussions |
| 16.30-18.00 | RoundTable : 5G and Lifi in Issy-les-Moulineaux <ul style="list-style-type: none"> • Conclusion of the IoRL project and evolution of LiFi usage at the Musée de la Carte à Jouer in Issy-Les-Moulineaux • 5GPPP - updates • The 5G challenge Orange/Issy-Les-Moulineaux <p>Please note this session will take place in French language. English subtitles will be available on screen.</p> |



IoRL
Internet of Radio Light

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The Internet of Radio-Light (IoRL) project develops a safer, more secure, customizable and intelligent building network that reliably delivers increased throughput (greater than 10Gbps) from access points pervasively located within buildings, whilst minimizing interference and electromagnetic field exposure and providing location accuracy of less than 10 cm. It thereby shows how to solve the problem of broadband wireless access in buildings and promotes the establishment of a global standard in ITU. This workshop presents the system architecture and its sub-systems, innovative virtual network functions and user applications and the system key performance results.

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Partners :

