

WORTECS



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WORTECS

Networking research beyond 5G

WP5 - D5.1 Dissemination: Plans and Update

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Abstract

This report outlines the WP5 deliverable D5.1 and original tasks within this deliverable. A progress update on the tasks and new plans are detailed based on the periodic physical meetings.

Keyword list

Virtual Reality, High Quality / Low Latency, Wireless, OWC, radio transmission, Mac layer, HW implementation

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Document History

First name	Last name	Version	Comments
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Dominic	O'Brien	14/11/2018	Updated version

Table of contents

List of Authors	2
Document History	2
List of Acronyms	3
Table of contents	4
Dissemination 2017-2018	5
Dissemination plans for 2018-19 (Yr 2)	5
Conferences where arrangements/paper submissions are underway	5
Future potential conferences	5
Open Events	6
Dissemination plans for 2019-20 (Yr 3)	6
Conferences	6
Open events.....	6

D5.1 – Dissemination (Lead: ULP)

A detailed plan describing the designated dissemination activities of the single partners in the WORTECS consortium.

Dissemination 2017-2018

Dissemination in period 1 from the project was as shown in the table below

Title	Authors	conference/ magazine/ journal	Related WP
Terabit per Second Optical Wireless Links for Virtual Reality Technology	Olivier Bouchet, Marc Lanoiselée, Dominic O'Brien, Ravinder Singh, Mir Ghoraiishi, Rafael Perez , Víctor Guerra, Suat Topsu, and Jorge Garcia-Marquez	SPIE Optics and Photonics Conference 2018	WP3/ WP4
Spatial Interpolation of Optical Wireless Impulse Responses	Victor Guerra, Julio Rufo, Jose Rabadan, and Rafael Perez-Jimenez	CSNDSP Conference 2018	WP3/ WP4
Wideband 240 GHz Transmitter and Receiver in BiCMOS Technology with 25 Gbit/s Data Rate	M. H. Eissa, A. Malignaggi, R.Wang, M. Elkhoully, K. Schmalz, A. C. Ulusoy and D. Kissinger	Journal of solid state circuits (JSSC)	WP3/ WP4
Noise Performance of Orthogonal RF Beamforming for Millimetre Wave Massive MIMO Communication Systems	Krishna Tiwari, John Thompson and Eckhard Grass	WCSP Conference 2018	WP3/ WP4

Dissemination plans for 2018-19 (Yr 2)

Conferences where arrangements/paper submissions are underway

The following conferences are currently targeted

- Global Lifi Congress & Visible Light Communication: GLC 2019 - Paris - June 12th and 13th, 2019
 - Proposal for WORTECS projects presentation during plenary session: waiting for confirmation
 - Scientific paper waiting for proposal is confirmed. Waiting for schedule and deadline.
- Université Sorbonne Paris I : « les réseaux du futur et le droit » - Autumn 2018
 - Wortecs project, Terabit/s, the stakes / impacts / new services slides proposed
 - Slides sent, waiting for answer
- Congress ForumLED Europe, Congress international technology LED and applications
 - Lighting Days, 13-15 February 2019, Lyon – Eurexpo.
 - Sent a request for arrangements and status, waiting for answer

Future potential conferences

- EuCNC, 27-30 May 2019, Valencia, Spain
 - Submission DL: 25 Jan 2019

- IRMWW-THz 2019, Paris, France, Sept 1 - 6
- IEEE Globecom 2019, Hawaii, US
 - Submission DL: 1 April 2019

Open Events

WP5 has two open event deliverables-

Open event 1-M26

This will focus on tutorial presentations of the project and the need for Tbit/s data rates for VR and other applications. Technical progress will be reported.

Open Event 1 initial plan

Timetable

1. Project overview – ORA
2. Gbit/s VLC(OWC) – OLED/PLF
3. Tbit/s FWF – UOXF
4. Tbit/s RF - IHP
5. HetNet - IHP
6. Tutorial – ULPGC

Invitations

Academia, Industry

Venue

If possible, this will be Co-located with a larger workshop to ensure good audience attendance- Possibilities are EUCNC (June2019). In addition, some elements of this might be presented at the EC THz workshop (March 2019) if this is feasible. Options are currently under consideration.

Other activities

WORTECS monitors the ICT-09-2017 cluster calls to ensure dissemination within the cluster of projects.

Dissemination plans for 2019-20 (Yr 3)

Conferences

To be determined

Open event

An open event is planned in M34. This will showcase the demonstrations in optical and RF systems

- End -