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Enabling Technologies for Future Vertical Ecosystem Transformation

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Prof. Maziar Nekovee
University of Sussex
WG Co-Chair

NetWorld 2020 General Assembly, 16 Nov 2020

Rationale and aims of WG

RATIONALE

A key role of the ETP is to engage with a range of stakeholders pertinent to future communication networks and services. Up to now, these open collaborations have mostly taken place in its Expert Advisory Group and in its SME Working Group

We are aiming to extend this engagement to the vertical sectors. This new collaboration area complements and extends the Vertical Task Force activities with the 5G IA.

1. Focus on roadmaps, future/long-term requirements, technology and research aspects rather than prototypes, products and near-term deployment
2. Extend the discussion and engagement globally
3. Focus on technology enablers and disruptive business transformation aspects towards 2030, including beyond 5G/ 6G

WG Coordination and membership

Chairs:

Maziar Nekovee University of Sussex, Raffaele de Peppe TIM

Vice Chairs:

Xueli An Huawei, *and vacant position*



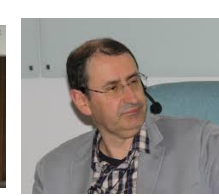
Maziar



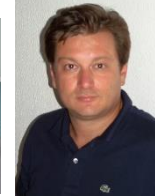
Xulei



Raffaele



Rui



Giovanni

Task forces

TF.1 *Techno-economics and business aspects*

Leads: Raffaele de Peppe, Giovanni Frattini

TF.2 *Enabling technologies for vertical) ecosystem transformation and federation*

Leads: Xueli An, Rui Aguiar

Membership: *Currently about 15 members from industry, SME and research domains*

New members *are very welcome. Meetings quarterly and as required.*

Working group activities and plans

- **Term of Reference meeting** (Thanks to Nicola Ciulli)
- **Inaugural meeting** WG 1st October
- 1s Webinar on 5G for Health Social Co-organised with 5GIA: 15/10/2020, recordings are on our website, ~60 participants
- **Joint vertical** workshop (with CCSA) to be held in January 2021
 - Focus is on manufacturing and smart grids
 - Share experience between Europe and China
 - Proposed contribution welcome
- **Experts workshop/round-table** on techno-economics of 5G for verticals , March 2021
- Initial position papers from TF1 and TF2 are available on WG website
- These will be developed into full white papers.
- They are expected to contribute to next SRIA and the EC
 - Please contact WG and TF Leaders if you would like to contribute to WG white papers , All welcome!

A Dialogue between 5G and Verticals,
IEEE 5G World Forum, August 2020
Manufacturing, Agriculture, Health
Europe and Brazil

Thu 22 October 2020 10:00-12:00 CEST (09:00-11:00 BST)

5G Vertical User Webinar Series

Driving innovations in Healthcare with 5G & Smart Networks

Join us for insights on short- to mid-term priorities for the health sector

PANELLISTS
Dr. Med. Christoph Theemnicke, Helios Klinikum Leipzig & 5G Health Association
Ju Liu, Huawei
Dr. Med. Sabina Magalini, Gemelli University Hospital
Dr. Raffaele De Peppo, TIM and Chair of 5G-4A Verticals Task Force
Prof. Muztar Nekovee, University of Sussex and Vice-chair NetWorld2020 ETP

PSC Europe SCAA 5G IA 5GACIA Networld

THANK YOU
All Welcome!

<https://www.networld2020.eu/enabling-technologies-for-future-vertical-ecosystem-transformation/>