

Horizon 2020 Grant Agreement no: 814523

Terahertz end-to-end wireless systems supporting ultra-high data  
Rate applications

# ThoR

## Deliverable D7.3

### M6 Dissemination material

Coordinator (EU): Thomas Kürner  
 Organisation: Technische Universität Braunschweig

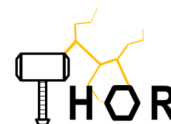
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 Organisation: Waseda University

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**Vivid Components**

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<b>Dissemination level</b>		
<b>PU</b>	<b>Public</b>	<b>X</b>
<b>PP</b>	<b>Restricted to other programme participants (including the Commission Services)</b>	
<b>RE</b>	<b>Restricted to a group specified by the consortium (including the Commission Services)</b>	
<b>CO</b>	<b>Confidential, only for members of the consortium (including the Commission Services)</b>	



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**Change register**

Version	Date	Author	Organisation	Changes
A_DRAFT	21-Dec-2018	Bruce Napier	Vivid Components	Initial
A	21-Dec-2018	Bruce Napier	Vivid Components	Final; no changes following review; typos & formatting only

Reviewed by Prof. Thomas Kürner TU Braunschweig A\_DRAFT 21-Dec-2018

**1. Statement of independence**

The work described in this document is genuinely a result of efforts pertaining to the ThoR project. Any external source is properly referenced.

Confirmation by Authors: Bruce Napier Vivid Components

## **2. Executive summary**

This deliverable documents the dissemination material produced for the 6M point in the project:

- The first project newsletter (issued 21-Dec-2018)
- A video showing the lab set-up for ThoR DEMO-1 which demonstrated the principle of a superheterodyne wireless link at 300 GHz.

Both these items are available from the project website [www.thorproject.eu](http://www.thorproject.eu)

### 3. Dissemination material for 6M

Two key elements of dissemination material have been produced for the 6M point in the project: the first newsletter and a video of ThoR DEMO-1.

#### 3.1. ThoR newsletter #1

The first ThoR newsletter was released on 21-Dec-2018, and is available to download from the project website: <https://thorproject.eu/results/newsletters/>

This edition has been approved for release by the consortium and includes the following items:

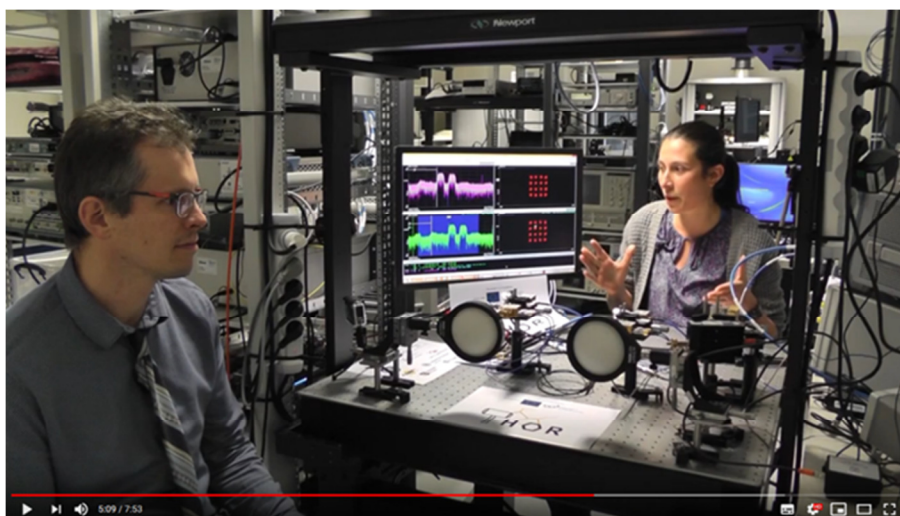
- A brief overview of the project and its objectives
- An outline of the ICT-09-2017 Cluster of related projects
- Information on an EC THz communications workshop on 07-Mar-2019
- Results from spectrum sharing studies relevant to WRC 2019
- World first experimental demonstration of a superheterodyne 300 GHz wireless link!

Further newsletters will be produced approximately every six months, and the topics will be summarised in D7.10 (Summary of newsletters).



#### 3.2. Video of ThoR DEMO-1

A video (c. 8 min) of the ThoR DEMO-1 was recorded on 28-Nov-2018 at University of Lille/ IEMN CNRS (France). The experimental work was performed by University of Lille, University of Stuttgart, Gifu University and Deutsche Telekom. The video was recorded and edited by Vivid and has been approved for release by the ThoR consortium. This represents the first ever superheterodyne wireless link at 300 GHz, and demonstrates the proof-of-principle for the project.



A publication is in progress at the time of writing, so no details were provided, but the video gives an overview of the laboratory set-up, and was put on the project website on 21-Dec-2018: <https://thorproject.eu/results/>