



OPEN DAY

Fourth Annual Open Day and Workshop of the
Christian Doppler Laboratory for

**Dependable Wireless Connectivity
for the Society in Motion**

Head of laboratory:

Associate Prof. Dr. techn. Stefan Schwarz

Monday, November 15, 2021

09:00 - 14:30

Technische Universität (TU) Wien

Gußhausstraße 25, 1040 Vienna, Austria

Lecture hall: Reithoffer EI4, 2nd floor

<https://www.nt.tuwien.ac.at/christian-doppler-laboratory>

Registration by email: stefan.schwarz@tuwien.ac.at

In-person attendance: **register by Nov. 5**

Remote attendance: **register by Nov. 10**

Program:

09:00 - 09:30	Participants' arrival
09:30 - 09:50	Introduction and overview of the CD-lab <i>Stefan Schwarz</i>
09:50 - 10:15	Experimental work on mmWave mobile communications <i>Stefan Pratschner</i>
10:15 - 10:40	Stochastic modeling of ultra-wideband MIMO channels <i>Richard Prüller</i>
10:40 - 11:05	On activity detection in grant-free non-orthogonal multiple access <i>Bashar Tahir</i>
11:05 - 11:30	Reduced complexity massive MIMO <i>Mariam Mussbah</i>
LUNCH BREAK	
12:30 - 12:55	Learning-based localization in mobile wireless networks <i>Artan Salihu</i>
12:55 - 13:20	Evaluation of relay assisted V2I communication <i>Blanca Ramos Elbal</i>
13:20 - 13:55	Deep reinforcement learning for cell-free MIMO networks <i>Charmae Franchesca Mendoza</i>
13:55 - 14:10	Reconfigurable intelligent surfaces: introduction and issues <i>Zeyu Huang</i>
14:10 - 14:25	System level evaluation of reconfigurable intelligent surfaces <i>Le Hao</i>
14:30 -	Networking

Zoom-link for virtual attendance:

<https://tuwien.zoom.us/j/98671984961?pwd=OXpaYVRteWlNbEs3a1RES1E5cEd2UT09>

Offline videos will be provided here after the event:

<https://www.nt.tuwien.ac.at/christian-doppler-laboratory/press-events/>

In-person attendance: entering TU Wien's buildings requires Covid 3-G proof of status