

Title:	iMinds w-iLab.t	Space for laboratory logotype Resolution: 400 × 125
Responsible person:	Margot Deruyck & Wout Joseph	
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Short description:		
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Website (if any):	http://wilab2.ilabt.iminds.be/	
Equipment:	The iMinds w-iLab.t testbed is a generic wireless testbed equipped with 60 wireless nodes with IEEE 802.11a/b/g/n, IEEE 802.15.4 and IEEE 802.15.1 (Bluetooth) interfaces. In addition, the w-iLab.t offers mobile nodes to the experimenters. These mobile nodes consist of a Roomba vacuum cleaning robot with the same wireless node configuration mounted on top of it. The location also hosts software defined radio platforms (URSP, WARP) and spectrum scanning engines developed by IMEC.	
Aims:	w-iLab.t enables flexible testing of the functionality and performance of wireless networking protocols and systems in a time-effective way. We gather data in the w-iLab.t for localization, propagation, protocol, and interference research.	
Availability:	<p>Is it remotely accessible? Yes Is it available on the site? Yes Is it for free?</p> <p>For the COST IRACON members, the w-iLab.t can be used for free but under best effort conditions. A free account can be request only for non-commercial academic purposes.</p>	
Annex:		

Place in IRACON RESEARCH MATRIX

	EWG-IoT	EWG-LT	EWG-RA
Working group	X		

	Antennas and Propagation	PHY	MAC	NET
eHealth				
Factory of the Future	X	X	X	X
Connected Cars				
Energy Management	X	X	X	X