

**President's Research Bursaries 2021/22**

Supervisor Profile	
Name	Dr. Saim Ghafoor
Email	saim.ghafoor@lyit.ie
Current Research Interests	<p>Terahertz communication networks</p> <p>Autonomous and intelligent networks</p> <p>Cognitive radio networks</p> <p>Machine learning for wireless communication networks</p> <p>Protocol design and optimization for wireless communication</p>
Career Profile (Education and Employment)	<p>Saim Ghafoor received a Ph.D. in computer science from University College Cork, Ireland, in 2018. He completed his M.S. in computer science and engineering from Hanyang University, South Korea, in 2010 and B.E. in computer systems engineering from Mehran University of Engineering and Technology, Pakistan, in 2005. Currently, he is working as an assistant lecturer in Letterkenny Institute of Technology (LYIT), Ireland. He worked at Telecommunications Software and Systems Group (TSSG), Waterford Institute of Technology (WIT), Waterford, Ireland as a post- doctoral researcher from June 2018 to August 2020. He is currently an associate editor of the Computer and Electrical Engineering Journal (Elsevier) and serving as a reviewer for many reputable journals and conferences. He co- organized a workshop on terahertz wireless communication in IEEE INFOCOM 2019. He also received a best student paper award in International Conference on Disaster Management in 2017. He received best reviewer of the year award from Computer and Electrical Engineering Journal in 2014 and 2015, and many reviewer recognitions certificates.</p>
Key Achievements	<ul style="list-style-type: none"> • Published a book on 'Next Generation Wireless Terahertz Communication Networks' with CRC Press • Published paper on Terahertz MAC protocols in IEEE Communication Surveys and Tutorials, which is top ranked journal with impact factor (23.7), and secured place in 'Top 50 Most popular Articles' for February and March 2021. • Organised a workshop on Terahertz communication in IEEE INFOCOM 2019. • Best student paper award for paper "Experimental evaluation of a software defined radio-based prototype for a disaster response cellular network" in ICT-DM, 2015. • Best reviewer for Elsevier Computers & Electrical Engineering 2013-14 • Full MS scholarship for Hanyang University, South Korea, from Higher Education Commission, Pakistan • Full PhD scholarship for University College Cork, Ireland, from Science Foundation of Ireland. • Elevated to IEEE Senior Member in 2019.
Links to ResearchGate/LinkedIn Profile/ORCID ID	<p>Site link: https://sites.google.com/view/saimghafoor</p> <p>Scholar: https://scholar.google.com/citations?user=BoN3PL8AAAAJ&hl=en</p> <p>ORCID: http://orcid.org/0000-0001-8627-5723</p> <p>DBLP: https://dblp.uni-trier.de/pid/154/1013.html</p> <p>ResearchGate: https://www.researchgate.net/profile/Saim-Ghafoor</p>