

## Post Specification

<b>Post Title:</b>	PhD student
<b>Post Status:</b>	4 year contract
<b>Funded by:</b>	CONNECT - the Science Foundation Ireland research Centre for Future Networks and Communications
<b>Location:</b>	Technological University Dublin
<b>Salary:</b>	€18,500 plus fees paid
<b>Closing Date:</b>	Until filled

### About the job

- **Are you an Electronic Engineer graduate in Electronics or Communications or cognate discipline looking to pursue a PhD?**
- **Do you want to make a real contribution in the area of the Internet of Things (IoT) and specifically Ultra Wide Band (UWB) technologies?**
- **Do you want to undertake your studies as part of the world leading SFI CONNECT Research Centre?**

The Science Foundation Ireland (SFI) Centre for Future Networks and Communications in partnership with Technological University Dublin (leading technical university in Ireland) is seeking to recruit a PhD student to contribute to the area of IoT and specifically UWB technologies and systems. The student will be a member of the SFI CONNECT Research Centre and will be based in TUDublin Grangegorman Campus, jointly supervised by Dr. Somayeh Mohammady (TUDublin), and Prof. Liam Barry (DCU), and collaboration with Prof. Max Ammann (TUDublin) and Dr. Nam Tram (UCD). This is a 4 year fully funded (includes full fees and an annual stipend of €18,500) structured PhD position.

### Responsibilities

- Conduct the research productively and profoundly.
- Carrying out research towards a doctoral degree.
- Participating in theoretical and/or empirical research in the relevant areas.
- Publishing results in the appropriate media.
- Presenting findings at conferences and seminars.
- Active involvement in academic and professional development.
- To comply with the Regulations governing the degree programme as laid out by University.
- To comply with the Code of Practice for Research Candidature & Supervision.

## Qualifications

### Ideal Candidate:

- 1- Knowledge of UWB systems and signals in simulation modeling and hardware implementation.
- 2- Publication record in area of UWB signal processing and applications in IoT technologies.
- 3- Residence in Ireland and able to start immediately.
- 4- Undergrad and masters degree in relevant disciplinary.
- 5- Familiar with simulations tools and hardware setups and implementations related to low power wide band signals.
- 6- Knowledge of funding opportunities around this topic for future.
- 7- Strong written and oral communication skills (English language based)
- 8- Willing to engage in side activities involved such as EPE, workshops, formal and informal, online or in person meetings and trainings.
- 9- Friendly personality and networking skills, ability to take risk, and overcome challenges.
- 10- Self motivated and strong independent brave personality that enjoys travelling and meeting new people.

Please send your CV and cover letter to [somayeh.mohammady@tudublin.ie](mailto:somayeh.mohammady@tudublin.ie) only if you have 9 out of 10 of above qualifications. Please refer to the qualification criteria with a clear example in your cover letter.