

Job Location: Blanchardstown, Dublin, Ireland

JOB TITLE: Radio Frequency Research Engineer

Position in the Organization Member of Technical Staff

Reports To: The Technical Manager responsible for RF research

JOB PURPOSE: Bell Labs Ireland has a vacancy for an RF researcher with strong experience of RF component and circuit design and electromagnetic simulation, particularly for antenna arrays and filters. The position involves work in the context of innovative radio transceiver architectures for communications applications.

MAIN DUTIES AND RESPONSIBILITIES:

- Carry out groundbreaking research into technologies and solutions for RF front-ends whilst ensuring strong linkage to real world applications.
- Partner with business units to ensure the successful exploitation of research outputs.
- Contribute to the definition of technical foundations for research programs, project objectives and work plans.
- Propose and publish research for the major research publications worldwide.
- Create and maintain strong collaborative associations with university-based researchers, other leading research bodies, product business units and government agencies.

LIKELY QUALIFICATIONS, KNOWLEDGE AND EXPERIENCE:

- A PhD in any electronic-engineering related domain.
- Ability to conduct independent research while also contributing to team-oriented projects. A successful candidate will be versatile, flexible, hands-on, and a self-starter.
- Experience in electromagnetic simulation and RF circuit design is required
- Experience in one or more of the following areas:
 - Antenna and antenna array design for microwave communications
 - Antenna measurement techniques
 - High-power filter design
 - RF transceiver chain system engineering, e.g. for cellular and WLAN
 - RF/microwave packaging techniques
- Experience of advanced development activities is also desirable.
- Additionally candidates must have:
 - Strong written and spoken communications skills
 - Proven track record in a research arena or strong industrial experience
 - Proven problem solving and analysis ability

Applications to Francis Mullany (mullany@alcatel-lucent.com, +353-1-6924245), Bell Labs Ireland.