FULL-TIME RESEARCH ENGINEER/COMPUTER SCIENTIST POSITIONS
REAL-TIME DATA ANALYTICS RESEARCH SCIENTIST – BELL LABS IRELAND

Background

Bell Labs, the innovation engine of Alcatel-Lucent, is a leading worldwide end-to-end systems and solutions research lab working in the areas of autonomic networking, cloud and distributed computing, platforms for real-time big-data streaming and analytics, wireless networks, semantic data access, services--centric operations and thermal management. The lab is embedded in the great traditions of the Bell Labs systems research, internationally renowned as the birthplace of modern information theory, UNIX, the C/C++ programming languages, Awk, Plan 9 from Bell Labs, Inferno, the Spin formal verification tool, and many other systems, languages, and tools.

Bell Labs Ireland in Dublin is currently seeking researchers for the area of Data Analytics to fill permanent Research Scientist positions and 2-year Post--doctoral positions. The Data Analytics research, in Bell Labs - Dublin, spans from advanced data mining to intelligent computational models on scalable infrastructures to analyse a variety of network data from Call Detail Records to Online Social Networks.

A successful candidate is expected to have experience in data mining, mathematical modelling, algorithms required for analysing massive data sets and/or systems experience on distributed infrastructures to process big data, such as Hadoop, Storm and other NOSQL technologies. He or she is expected to be able to model, design and build systems.

Role description

The main duties and responsibilities are as follows:
- Carry out an active and ambitious research program.
- Publish the outcomes of the research in major scientific venues worldwide, including top conferences and journals.
- Create and maintain strong collaborative associations with universities, other leading research bodies, product business units and government agencies.
- Generate technology transfers to Alcatel-Lucent businesses.
- Partner with business units to ensure the successful exploitation of research outputs.
- Generate intellectual property through the patenting of ideas.
- Contribute in a positive manner to the creative and innovative atmosphere in Bell Labs.

Qualifications, skills, and experience

Candidates must have a PhD (or be close to get one) in computer science or engineering or any related field. Preferences may be given to candidates with experiences in large graph analysis, efficient graph algorithms, social network analysis, data mining, large--scale parallel or distributed systems.

A proven record of publication(s) is highly valued, particularly in conference venues such as IMC, INFOCOM, WWW, SIGCOMM, IPDPS, SIGMOD, VLDB, SPAA, KDD, SODA, PODC, and top-rated journals such as ToN, TPDS, JPDC, VLDB Journal.

Candidates must have the ability to conduct independent research while also contributing to team-oriented projects that often span across multiple Bell Labs sites.

A successful candidate will be versatile, flexible, hands-on, and a self-starter. Experience in development activities is also highly desirable.

Key attributes

- Strong written and spoken communications skills, able to participate in robust discussions in English.
- Good track records in a research area related to the topics mentioned above, or strong industrial experience in a related field.
- Able to design and build systems.

A comprehensive benefits package exists including relocation costs.

Application

In order to apply, please, send an e-mail of interest enclosing your full CV and a research statement letter to: tommaso.cucinotta@alcatel-lucent.com.

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