

Systems and Networking Researcher

Job Field Area: Research

Bell Labs Access Network Control Research department is looking for a researcher in the field of network control systems with a focus on SDN solutions.

The Fixed Networks laboratory, as part of the world-leading Nokia Bell Labs research center, has expert teams located in Antwerp, New Jersey, Stuttgart and Shanghai.

The multi-disciplinary Access Network Control Research department engages in innovative network system study leading to next generation technologies and architectures. We aim to create revolutionary software and hardware solutions for future networks.

Purpose:

- To identify and develop groundbreaking software and system control solutions.
- To act as a prime reference in networking-oriented software system research in close cooperation with business, academic and industrial partners.
- To create new intellectual property through research platforms, protocols and system solutions which will contribute to differentiating and market leading Nokia products.

Main Responsibility Area:

- Specializes in network control platforms, protocols and system architectures.
- Acts as technical advisor towards various internal & external stakeholders through technical cooperation, customer visits, knowledge transfers.
- Challenges technical & experimental contributions from academic & industrial partners.
- Creates & maintains strong collaborative associations with other locations & programs.

Position Description:

- Exploration and promotion of new differentiating network system solutions and architectures, with focus on SDN (Software Defined Networking), through prototyping and integration with other groundbreaking solutions originating in Bell Labs.
- Definition & contribution to medium & long term business impacting research programs.
- Extraction of high-quality intellectual property and patents from theoretical & experimental work.
- Diverging: defining creative “out-of-the-box” solutions to complex theoretical, experimental and business relevant problems in the scope of access technology.
- Converging: distilling the proper elements and taking a strong position towards a single game-changing solution with at least a 10x impact on the original problem.

Position Requirements:

- PhD or Master in engineering sciences (electrical, telecom, computer science), specialized in computer networking, operating systems or control systems.
- Knowledge of SDN control platforms, network protocols, network architectures.
- Knowledge & hands-on experience with C/C++, Java and scripting languages.
- Hands-on experience in building demonstrators.
- Experience and affection with high-end test equipment.
- Willingness to travel (short trips abroad).
- Positive can-do attitude.
- Creativity and innovation.
- Ability to work independently and effectively as part of a diverse multi-site team.
- Willingness to continuously learn, master and create new, leading-edge technologies to improve the Nokia’s product portfolio.
- Drive to succeed.
- Fluency in English.

Location: Antwerp, Belgium

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