

## **Postdoc position in Post-quantum Cryptography**

The Computer Security and Industrial Cryptography (COSIC) group belongs to the Electrical Engineering Department at the KU Leuven. The COSIC team is headed by Bart Preneel and has about 90 researchers, including 7 professors, 8 researcher managers/experts, 20 postdoctoral researchers, 50 PhD students, 5 visitors and 6 members of support staff.

The COSIC research group provides a broad expertise in digital security and strives for innovative security solutions. Our research is applied in a broad range of application domains, such as electronic payments, identity cards, e-voting, protection of e-documents, smart meters and smart grid, telematics for the automobile industry and trusted systems. Our research focus lays in the design, evaluation and implementation of cryptographic algorithms and protocols, the development of security architectures for information and communication systems, the development of security mechanisms for embedded systems and the design and analysis of privacy preserving systems. The group has as a goal to cover the whole range from mathematical theory towards industrial applications.

**COSIC is looking for motivated researchers who fit into the following profile:**

### **Postdoc in Post-quantum Cryptography**

#### **Job description**

We are looking for a Post-Doc in post-quantum cryptography, including cryptanalysis, secure implementation, hardness of underlying problems, novel primitives and protocols. We are in particular interested in people who have hands on experience with the design, implementation and/or analysis of cryptosystems submitted to NIST's post-quantum standardization effort.

#### **Specific skills required**

Strong background in mathematics is an absolute must, together with computer science and cryptography. A proven research track record in any aspects of post-quantum cryptography is required. We are especially looking for researchers with a broad research spectrum, going from mathematical aspects, to very practical such as implementation aspects.

#### **How to apply**

Visit <https://www.esat.kuleuven.be/cosic/vacancies/>