



WORK OFFER

Ref. No. AT-2019-2015GR

Employer Information

Employer: TECHNICON Forschungs- und Planungsgesellschaft mbH	Website: http://www.technikon.com
Burgplatz 3a	Location of placement: Villach
9500 Villach	Nearest airport: Graz Thalerhof, Ljubljana
Austria	Working hours per week: 40.0
	Working hours per day: 8.0

Number of employees: -
Business or products: Security, Telecommunication

Student Required

General Discipline: 11-COMPUTER AND INFORMATION SCIENCES Other	Completed years of study: 2
Field of Study: 11.0101-Computer and Information Sciences, General. Secure Informationsystems, embedded systems, embedded design, Internet-of-Things, Systems design, cryptography, signal processing, information theory	Language required: English Excellent

Required Knowledge and Experiences:

- Profound technical knowledge and experience in terms of IoT and embedded systems
- Interest on intrinsic hardware security and relevant upcoming topics in the embedded world
- Understanding for cryptographic services as well as detection mechanisms for intrusion, attacks and failure with respect to backend systems
- Background on signal processing, error correcting codes and information theory
- English proficiency, capacity for teamwork, personal commitment and sense of responsibility

Other requirements:

Work Offered

- You will work tight on Internet-of-Things-related topics applicable for critical domains and infrastructures, such as the industrial sensing environment
- You will be part of the development team when implementing security features and cryptographic services for common-used embedded devices as well as developing backend services to efficiently manage the IoT-to-Cloud connectivity
- You will get the possibilities to perform studies on security-relevant building blocks for next-generation IoT infrastructures in order to increase your experience in both, the theoretical and practical manner
- You will be able to accompany the path from the project idea, over specifying use-cases and application scenarios, to implementing a prototype based on hardware-entangled security features

We are offering the following project, which should result in a research report or a scientific paper:
 Investigations on lightweight implementation of anti-aging of SRAMs including post-processing and error-correcting codes dedicated towards the IoT domain.

You will be working for the research department of the company and will be granted access to our laboratory equipment and security hardware.

Number of weeks offered: 12 - 24	Working environment: Research and development
Within the months: 01-MAR-2019 - 31-DEC-2019	Gross pay: 1,950 EUR / Month
Or within: -	Deduction to be expected: 20%
Holidays: -	Payment method / frequency: bank transfer / monthly

Accommodation

Canteen at work: No	
Expected type of accommodation: Apartment	Estimated cost of lodging: 350 EUR / Month
Accommodation will be arranged by: IAESTE Graz	Estimated cost of living incl. lodging: 650 EUR / Month

Additional Information

informational talk by IAESTE and employer. Employer is open to discuss different internship period options.

Nomination Information

Deadline for nomination: 01-MAR-2019	Please send nominations by Exchange Platform
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Date: 18-JAN-2019 **On behalf of receiving country:**

Mark Feichtinger

