

# Postdoc offer: Cybersecurity assessment of cellular IoT devices



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**Keywords:** Cybersecurity, wireless security, fuzzing, cellular IoT.

## Topic

We offer a postdoctoral position in the field of embedded system and wireless security. The project is about the cybersecurity assessment of cellular IoT devices (nb-iot, lte-m). This study is part of a project aimed at automating the security assessment of IoT devices connected to cellular networks. In this context, the first objective of the project is to explore and develop advanced fuzzing techniques targeting cellular IoT firmware. The second objective is to develop a tool to automate the security evaluation of cellular IoT devices.

## Candidate profile

- PhD in computer science (or close to have a PhD).
- Skills : embedded system security, wireless security.
- Other skills (appreciate): AI apply to security evaluation, cellular IoT.

## Other informations

- Supervisor: Philippe Tanguy
- Laboratory: Lab-STICC (<https://labsticc.fr/en>)
- Team: ARCAD (<https://labsticc.fr/en/teams/arcad>)
- Location: Lorient, université Bretagne Sud (<https://www.univ-ubs.fr/en/index.html>)
- Start: september 2026 and as soon as possible thereafter.
- Duration: 12-24 months

## How to apply

Email to contact with a cover letter and full curriculum vitae. Applications will be reviewed and processed on a rolling basis until a candidate is selected.

## Contact

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