



Open position at CY Cergy Paris University (Cergy, France), starting in September 2020, as

**Assistant Professor (Maître de Conférences)
in the area of “Telecommunications, networks, security”**

Description: The position entails research and teaching duties at CY Cergy Paris University, Cergy-Pontoise, France. Research will be carried out at the ICI team of the ETIS Laboratory, <https://www-etis.ensea.fr/en/ici-team.html>. Teaching duties will be carried out at the Department of Computer Sciences of the CY Cergy Paris University, <https://depinfo.u-cergy.fr>. Teaching may initially be in English, but it is expected that the successful candidate will later also teach in French.

The successful candidate will complement ETIS's research activities in the area of networks and telecommunications, in particular in **design, analysis and optimization of algorithms and protocols** for networks and security. Her/his research activities will be at the interface between ETIS's team ICI's fundamental research competences (wireless telecommunications, information theory, error-correcting codes) and new concepts in networks and/or security (e.g. IoT, machine learning for networks, distributed storage, distributed computation, security, privacy). The candidate shall have proven expertise in at least one of the following areas:

- **Energy-efficient and/or low-latency wireless networks**
- **Applications of finite-blocklength information theory to wireless IoT**
- **Machine learning for scheduling/routing/caching in future wireless networks**
- **Network coding, network information theory**
- **Distributed storage/caching**
- **Cryptography based on error-correcting codes or lattices**
- **Privacy, private information retrieval**

The candidate will join the pedagogical team of Networks and Security of the Computer Science Department. He/she is expected to give classes related to networks, security or communication systems in Bachelor and Master teaching programs of the department, see for instance:

- [Master program in Networks&Security](#)
- [Licence program in Networks&Security](#)

For further information, please contact:

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- Claudio Weidmann, claudio.weidmann@ensea.fr
Head of the ICI team, ETIS laboratory

Application deadline: March 26, 2020, at 4pm, through the French [Galaxie](#) application.

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