

Paris, January 6th 2017  
Press release

## > Cybersecurity Chair: Inaugural lesson on 11 January and arrival of Simon Foley as Research Director

Launched on January 25 last year within the framework of the Cyber Center of Excellence, the IMT's Cybersecurity of Critical Infrastructure Chair aims to contribute, on an international scale, to the development of research and training activities in a sector which has become a national priority: cybersecurity of critical infrastructure (energy networks, industrial processes, water production plants, financial systems, etc.). These projects are being accelerated and strengthened by the appointment of a Research Director, the inaugural lesson and 2 roundtables on January 11 in Rennes.

### Simon Foley, the Chair's Research Director

Former researcher at the University of Cork in Ireland, where he was head of security in the IT department, Simon Foley is a renowned specialist in cybersecurity risk management. He is a member of the editorial committee of the *Journal of Computer Security* and *The International Journal of Information Privacy, Security and Integrity*, and was co-president of the European Symposium on Research in Computer Security (ESORICS). He is also the author of several trade publications. He will be joining the Cybersecurity of Critical Infrastructure Chair to lead the research team, and thus strengthen current and future work.



### Inaugural lesson on 11 January

Simon Foley will make a short speech at the inaugural lesson on January 11 at the Rennes campus of IMT Atlantique: *Secure by Comparison (with a tale of security in an Industrial Control System)*. Other speakers during the day include: Paul Friedel, IMT Atlantique Dean, Bernard Pouliquen, Vice-President of the Brittany region, in charge of higher education, research and digital transition, Philippe Jamet, IMT Director-General, Philippe Verdier, President of the Cyber Center of Excellence, and Frédéric Cuppens, Professor at IMT Atlantique and Chairholder.

Demonstrations revealing the reality of risks of attack on industrial control systems will be presented. In the afternoon, there will be 2 roundtables in the presence of all partner companies. The first will address cybersecurity vulnerabilities and threats, and the second the possible responses to intrusions.

>> The inaugural lesson starts at 9:30am and ends at 4:30pm  
IMT Atlantique, 2 rue de la Châtaigneraie, 35510 Cesson-Sévigné.  
Sign-up: <http://conferences.telecom-bretagne.eu/fps/chaire-cyber/>

### Accelerated research: launch of 9 new subjects

The research team, in close collaboration with the Chair's partner firms, has also launched 9 new research subjects:

- Cyberattack detection using machine learning methods.
- CyberCOP 3D: Interactive and collaborative 3D visualization of a computer system's security status.

- Diagnostics of malfunctions and cyberattacks in industrial control systems.
- Quantitative evaluation approach for industrial system security
- Resilience to critical infrastructure attacks through preventive analysis of malicious malfunctions and their impacts.
- Remediation policy incorporating a dynamic risk analysis.
- Traceability and information integrity control in advanced data analysis for cybersecurity purposes.
- Consideration of business objectives and requirements in cybersecurity supervision systems.
- Consideration of human factors in the design of secure systems. Application of industrial control systems to cybersecurity.

### **Find out more about the Chair**

The Cybersecurity of Critical Infrastructure Chair is led by IMT Atlantique with Télécom ParisTech and Télécom SudParis and the Brittany region, within the framework of the Cyber Center of Excellence, along with 8 companies: Airbus Defence and Space, Amosys, BNP Paribas, EDF, La Poste, Nokia, Orange and Société Générale.

This Chair aims to contribute, on an international scale, to the development of research and training activities within a sector which has become a national priority: cybersecurity of critical infrastructure (energy networks, industrial processes, water production plants, financial systems, etc.).

### **About IMT [www.imt.fr](http://www.imt.fr)**

Institut Mines-Télécom is a public institution dedicated to Higher Education and Research for Innovation in the fields of engineering and digital technology. Always tuned into the economic world, it combines high academic and scientific legitimacy with a practical proximity to business and a unique positioning in 3 major transformations of the 21st century: Digital Affairs, Energy and Ecology, and Industry. Its training and research for innovation are rolled out in the Mines and Telecom Graduate Schools under the supervision of the Minister for Industry and Electronic Communications. Institut Mines-Télécom is a founding member of the Industry of the Future Alliance. It maintains close relationships with the economic world and has two Carnot Institutes. Every year around one hundred startup companies leave its incubators.

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