David KIBLOFF

Contact Information

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Current Position

Oct. 2015 – Present

1st year Ph.D. Student at INRIA (Institut National de Recherche en Informatique et Automatique), Lyon, France.
Advisors: Prof. Guillaume Villemaud, Dr. Samir M. Perlaza and Dr. Leonardo S. Cardoso.
Research Interests:
- Physical Layer Security;
- Information Theory;
- Game Theory;
- Signal Processing.

Education

2010–2015

B.Sc. and M.Sc. in Electrical Engeneering.
INSA Lyon, France.

Research Appointments

Feb.–Aug. 2015

Research Internship at INRIA, *Telecommunications Department - CITILab*, Lyon, France.
- Supervisors: Dr. Florin Hutu and Prof. Guillaume Villemaud.
- Topic: Implementation and characterization of an ultra low-power wake-up receiver prototype.

Teaching Experience

Sep. 2016 – Present

Teaching Assistant at École Normale Supérieure (ENS), *Computer Science Department*, Lyon, France.
- Course: (ENS-CR-14) Network Information Theory (Master 2).
- Lecturers: Prof. Jean-Marie Gorce, Dr. Samir M. Perlaza.

Industrial Experience

Feb.–Aug. 2014

Engineering Internship at Biin, Lyon, France.
- Topic: Design and development of a web back-office to manage Mosaïque tactile tables.

Publications

- D. Kibloff, S. M. Perlaza, G. Villemaud, and L. S. Cardoso, "On the duality between state-dependent channels and wiretap channels," in *Proc. of the IEEE Global Conference on Signal and Information Processing (GlobalSIP)*, Washington, D.C., USA, Dec. 2016, **Invited paper**.

- F. Hutu, D. Kibloff, G. Villemaud, and J.-M. Gorce, "Experimental validation of a wake-up radio architecture," in *Proc. of the IEEE Radio and Wireless Symposium (RWS)*, Austin, TX, USA, Jan. 2016, pp. 155–158.

Invited Talks

- "On the duality between state-dependent channels and wiretap channels," *Wireless Innovation Forum (WInnComm-Europe), Paris, France*, Oct. 2016.

- "On the duality between state-dependent channels and wiretap channels," *COST IRACON CA15104, Lille, France*, May 2016.

- "An introduction to physical-layer security," *CITILab, Lyon, France*, Feb. 2016.

Posters

- D. Kibloff, S. M. Perlaza, L. S. Cardoso, and G. Villemaud, "Physical layer security in decentralized full-duplex systems," *Poster presented at the CITILab's Ph.D. Day*, Jun. 2016, **Best Poster Award**.

Editorial Activities

- IEEE GLOBECOM;
- IEEE International Conference on Communications (ICC);
- IEEE Wireless Communications and Networking Conference (WCNC);
- IEEE International Symposium on Personal, Indoor and Mobile Radio Comm. (PIMRC).

Languages

- **French**: Native Language
- **English**: Proficient (TOEIC: 930/990)
- **Russian**: Pre-Intermediate (A2-B1)

Computer Skills

Systems	Linux, Unix, Windows, MAC.
Languages and Frameworks	C/C++, Objective-C, PHP, HTML, Javascript, Symfony2, Python, Django, Assembly, Bash, Latex.
Mathematical Software	Matlab, Simulink, Maple, Scilab.
Other Software	ADS Keysight, Eagle.