

Denis Migdal

PhD student in Computer Security

ENSICAEN, 6 boulevard marechal juin
Caen, 14020 - France

☎ +33 (0)2 31 53 81 88

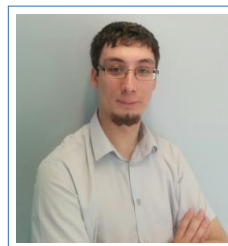
✉ dmigdal@ensicaen.fr

🌐 <https://migdal.ovh>

🌐 [d-migdal](#)

🐦 [denis_migdal](#)

🎧 [denis-migdal](#)



Education

- Since 2016 **PhD in Computer Science (in progress)**, *University of Caen*, France.
- 2013–2016 **Engineering diploma in Computer Science**, *ENSICAEN*, France.
- 2014–2016 **Master in Computer Science**, *University of Caen*, France.
- 2015–2016 **Master in Management and Administration (MAE)**, *University of Caen*, France.
- 2011–2013 **Bachelor in Computer Science**, *University of Auvergne*, France.

Positions

- Since 2016 **PhD student**, *ENSICAEN*, GREYC research lab.
- 2015–2016 **Trainee: OffPAD Eurostars project (5-months)**, *University of Oslo*.
- 2014–2015 **Trainee: OffPAD Eurostars project (3-months)**, *University of Oslo*.

Reviewing

- 2019-06 IEEE Transactions on Information Forensics and Security (TIFS)
- 2018-11 International Conference on Information Systems Security and Privacy (ICISSP)
- 2018-04 International Journal of Computational Intelligence Studies (IJCISTUDIES)

Responsibilities

- Since 2017 **Scientific Council member**, *ENSICAEN*.

Miscellaneous

- 2002–2011 **Fencing**, *UFOLEP*, Loire's Young Hope prize in 2008, French foil champion in 2008, French foil vice champion in 2007.

Research

- Topics Keystroke Dynamics, Privacy, Authentication, Biometrics, Generation and anonymisation of Keystroke Dynamics
- Publications (Co-)Author of 10 international publications including: 1 Q1 international journal (Elsevier), 5 core B international conferences, 1 workshop in a core A international conference, and 1 demonstration in a core A* international conference.
- Supervision 7 engineering school students for 2 projects, and 2 bachelor students for 2 internships.
- Resources 4 online demonstrations, several softwares s.a. a synthetic keystrokes generator, and a keystroke anonymiser.

Teaching

Digital Identity, 20H. **C++**, 84H. **Python**, 32.5H. **Software engineering**, 21.7H. **Master projects**, 10H. **Bachelor internships**, 10H.

Publications

International Journals

- [1] Denis Migdal and Christophe Rosenberger. Statistical Modeling of Keystroke Dynamics Samples For the Generation of Synthetic Datasets. *Elsevier Journal on Future Generation Computer Systems, Special Issue on CyberSecurity & Biometrics for a better Cyberworld (Q1 - JCR)*, 2019.

International Conferences

- [2] Denis Migdal and Christophe Rosenberger. My Behavior is my Privacy & Secure Password ! In *Cyberworlds*, Kyoto, Japan, October 2019.
- [3] Denis Migdal and Christophe Rosenberger. Keystroke Dynamics Anonymization System. In *SeCrypt (B - Core)*, Prague, Czech Republic, July 2019.
- [4] Abir Mhenni, Denis Migdal, Estelle Cherrier, Christophe Rosenberger, and Najoua Essoukri Ben Amara. Vulnerability of Adaptive Strategies of Keystroke Dynamics Based Authentication Against Different Attack Types. In *Cyberworlds*, Kyoto, Japan, October 2019.
- [5] Denis Migdal and Christophe Rosenberger. Analysis of Keystroke Dynamics For the Generation of Synthetic Datasets. In *CyberWorlds (B - Core)*, Singapour, Singapore, October 2018.
- [6] Denis Migdal and Christophe Rosenberger. Towards a Personal Identity Code Respecting Privacy. In *International Conference on Information Systems Security and Privacy (ICISSP)*, Madeira, Portugal, January 2018.
- [7] Francesco Buccafurri, Gianluca Lax, Denis Migdal, Serena Nicolazzo, Antonino Nocera, and Christophe Rosenberger. Contrasting False Identities in Social Networks by Trust Chains and Biometric Reinforcement. In *CyberWorlds (B - Core)*, Chester, United Kingdom, September 2017.
- [8] Denis Migdal, Christian Johansen, and Audun Jøsang. Offline Trusted Device and Proxy Architecture based on a new TLS Switching technique. In *International Workshop on Secure Internet of Things SIOT 2017 (ESORICS Workshop - A - Core)*, Oslo, Norway, September 2017.

National Journals

- [9] Denis Migdal and Christophe Rosenberger. Protection de données personnelles pour la sécurité sur Internet. *Technique et Science Informatiques*, 2019.

National Conferences

- [10] Denis Migdal and Christophe Rosenberger. Schéma d'Anonymisation de Dynamique de Frappe au Clavier. In *APVP*, Cap Hornu, France, July 2019.
- [11] D Migdal and C Rosenberger. Protection de données personnelles pour la sécurité sur Internet. In *Atelier sur la Protection de la Vie Privée*, Porquerolles, France, June 2018.
- [12] Denis Migdal and Christophe Rosenberger. Towards a Personal Identity Code Respecting Privacy. In *International Conference on Information Systems Security and Privacy (ICISSP)*, Madeira, Portugal, January 2018.
- [13] Denis Migdal and Christophe Rosenberger. Vers un Code Personnel d'Identité Respectueux de la Vie Privée. In *CORESA*, Caen, France, November 2017.

- [14] Denis Migdal and Audun Jøsang. OffPAD – Objet Personnel d'Authentification Hors-ligne appliqué aux hôpitaux et banques en ligne. In *RESSI 2017*, Grenoble, France, May 2017.
[Posters & Demos](#)
- [15] Denis Migdal and Christophe Rosenberger. Don't listen to my Keystroke Dynamics! (Summer School). 16th Int.l Summer School on Biometrics and Forensics 2019, May 2019.
- [16] Denis Migdal, Christian Johansen, and Audun Jøsang. DEMO: OffPAD-Offline Personal Authenticating Device with Applications in Hospitals and e-Banking. In *ACM CCS 2016 (A* - Core)*, Vienna, Austria, October 2016.