

PUBLICATIONS

Book Chapters

- **Dafer Mostafa, El-Abed Mohamad,** “Evaluation of Keystroke Dynamics Authentication Systems: Analysis of Physical and Touch Screen Keyboards”, *Developing Next-Generation Countermeasures for Homeland Security Threat Prevention*, ISBN: 978-1-5225-0703-1, pp. 306-329, 2017.
- **El-Abed Mohamad, Lacharme Patrick, and Rosenberger Chirstophe,** “Privacy and Security Assessment of Biometric Systems”, *Advances in Security and Privacy of Biometric Systems*, Cambridge scholar publishing, ISBN: 978-1-4438-7183-9, p. 224-254, 2015.
- **El-Abed Mohamad, Charrier Christophe, and Rosenberger Christophe,** “Evaluation of Biometric Systems”, *New Trends and Developments in Biometrics, InTech*, ISBN: 978-953-51-0859-7, DOI: 10.5772/52084, 2012.
- **El-Abed Mohamad, Hemery Baptiste, Mahier Julien, and Rosenberger Christophe,** “Performance Evaluation of Biometric Systems”, *Signal and Image Processing for Biometrics*, ISBN : 978-1-84821-285-2, ISTE-WILEY, 2012.
- **Giot Romain, El-Abed Mohamad, and Rosenberger Christophe,** “Keystroke Dynamics Overview”, ISBN 978-953-307-618-8, *Biometrics, InTech*, DOI: 10.5772/17064, 2011.

Journal Publications

a. International Journal Papers

- **El-Abed Mohamad,** “Usability Assessment of Keystroke Dynamics Systems”, *International Journal of Computer Applications in Technology (IJCAT)*, Inderscience Publishers, pp. 222 – 231, Vol. 55 Issue 3, 2017.
- **O. Diab Mohamad , Seif Alaa, El-Abed Mohamad, Sabbah Maher,** “Individual Identification Using ECG Signals”, *Journal of Computer and Communications*, Vol. 6, No. 1, pp : 74-80, 2017.
- **El-Abed Mohamad, Charrier Christophe, and Rosenberger Christophe,** “Quality Assessment of Image-based Biometric Information”, *EURASIP Journal on Image and Video Processing*, Springer International Publishing, Vol. 3, No. 1, 2015.

- **El-Abed Mohamad, Giot Romain, Hemery Baptiste, and Rosenberger Christophe**, "Evaluation of Biometric Systems: A Study of Users' Acceptance and Satisfaction", *International Journal of Biometrics (IJBM)*, Vol. 4, No. 3, p. 265-290, 2012.
- **Giot Romain, El-Abed Mohamad, and Rosenberger Christophe**, "Fast Computation of the Performance Evaluation of Biometric Systems :Application to Multibiometrics", *Future Generation Computer Systems (FGCS) Special Issue on Recent Developments in High Performance Computing and Security*, Elsevier, Vol. 29, p. 788-799, 2012.
- **El-Abed Mohamad, Giot Romain, Hemery Baptiste, Schwartzmann Jean-Jacques, and Rosenberger Christophe**, "Towards the Security Evaluation of Biometric Authentication Systems", *International Journal of Engineering and Technology (IJET)*, Vol. 4, No. 3, p. 315-320, 2012.
- **Mahier Julien, Hemery Baptiste, El-Abed Mohamad, El-Allam Mohamed, Bouhaddaoui Mohamed, and Rosenberger Christophe**, "Computation EvaBio: A Tool for Performance Evaluation in Biometrics", *International Journal of Automated Identification Technology (IJAIT)*, Vol. 3, No. 2, p.51-60, 2011.
- **Giot Romain, El-Abed Mohamad, Hemery Baptiste, and Rosenberger Christophe**, "Unconstrained Keystroke Dynamics Authentication with Shared Secret", *Computers & Security*, Elsevier, Vol. 30, p. 427-445, 2011.

b. French Journal Papers

- **El-Abed Mohamad, Hemery Baptsite, Charrier Christophe, and Rosenberger Christophe**, "Évaluation de la qualité de données biométriques", *Revue des Nouvelles Technologies de l'Information (RNTI), numéro spécial "Qualité des Données et des Connaissances/Evaluation des methodes d'Extraction de Connaissances dans les Données"*, p. 1-20, 2011.
- **Pauchet Alexandre, El-Abed Mohamad, Merabti Tayeb, Prieur Elise, Lecroq Thierry, and Darmoni Stephan Jacques**, "Identification de répétitions dans les navigations au sein d'un catalogue de santé", *numéro spécial RIA : Intelligence Artificielle et Web Intelligence*, p. 113-132, 2009.

International Conference Papers

- **Tafran Cerine, El-Abed Mohamad, Othman Ziad, Elkabani Islam**, "A No-Reference Image Quality Assessment For Detecting Illumination Alteration", *IEEE 10th International Conference on Information and Communication*, Jordan, 2019.
- **El-Abed Mohamad, Dafer Mostafa, and Rosenberger Christophe**, "RHU Keystroke Touchscreen Benchmark", *ACM International Conference on Cyberworlds - Cybersecurity and Biometrics Track*, 3-5 October, Singapore, 2018.

- **Sabra Khaled, Zantout Rached, El-Abed Mohamad, Hamandi Lama**, "Sentiment Analysis: Arabic Sentiment Lexicons", IEEE International Conference on Sensors, Networks, Smart, and Emerging Technologies (SENSET'17), Lebanon, 2017.
- **El-Abed Mohamad, Giot Romain, Bourquis Romain**, "Zoo Graph - a New Visualisation for Biometric System Evaluation", *20th International Conference on Information Visualization*, Lisbon - Portugal, 2016.
- **Alwan Salwan, El-Abed Mohamad, Zantout Rached**, "Vehicle Recognition from Partial Images", *IEEE 3rd International Conference on Advances in Computational Tools for Engineering Applications*, NDU - Lebanon, 2016.
- **El-Abed Mohamad, Dafer Mostafa, and El Khayat Ramzi**, "RHU Keystroke: A Mobile-based Benchmark for Keystroke Dynamics Systems", *48th IEEE International Carnahan Conference on Security Technology (ICCST)*, Rome, Italy, 2014.
- **El-Abed Mohamad, Ninassi Alexandre, Charrier Christophe, and Rosenberger Christophe**, "Fingerprint Quality Assessment using a No-Reference Image Quality Metric", *IEEE 21st European Signal Processing Conference (EUSIPCO)*, Marrakech, Morocco, 2013.
- **El-Abed Mohamad, Lacharme Patrick, and Rosenberger Christophe**, "Security EvaBio: An Analysis Tool for the Security Evaluation of Biometric Authentication Systems", *the 5th IAPR/IEEE International Conference on Biometrics (ICB)*, New Delhi, India, p.460-465, 2012.
- **Giot Romain, El-Abed Mohamad, and Rosenberger Christophe**, "Web-Based Benchmark for Keystroke Dynamics Biometric Systems: A Statistical Analysis", *the 8th IEEE International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP)*, Piraeus-Athens, Greece, p.11-15, 2012.
- **Giot Romain, Ninassi Alexandre, El-Abed Mohamad, Rosenberger Christophe**, "Analysis of the Acquisition Process for Keystroke Dynamics", *IEEE International Conference of the Biometrics Special Interest Group (BIOSIG)*, Darmstadt, Germany, p.1-6, 2012.
- **Belguechi Rima, Cherrier Estelle, El-Abed Mohamad, and Rosenberger Christophe**, "Evaluation of Cancelable Biometric Systems : Application to Finger-Knuckle-Prints", *IEEE International Conference on Hand-Based Biometrics (ICHB)*, Hong Kong, p. 1-6, 2011.
- **Mahier Julien, El-Abed Mohamad, Hemery Baptiste, Rosenberger Christophe**, "Towards a Distributed Benchmarking Tool for Biometrics", *IEEE International Conference on High Performance Computing & Simulation Conference (HPCS)*, Istanbul, Turkey, p. 671-676, 2011.
- **El-Abed Mohamad, Giot Romain, Hemery Baptiste, Charrier Christophe, and Rosenberger Christophe**, "A SVM-Based Model for the Evaluation of Biometric Sample Quality", *SSCI 2011 CIBIM - 2011 IEEE Workshop on Computational Intelligence in Biometrics and Identity Management*, Paris, France, p. 115-122, 2011.

- **El-Abed Mohamad, Giot Romain, Hemery Baptiste, and Rosenberger Christophe**, "A Study of Users' Acceptance and Satisfaction of Biometric Systems", *IEEE International Carnahan Conference on Security Technology (ICCST)*, San Jose California, USA, p.170-178, 2010.
- **Giot Romain, El-Abed Mohamad, and Rosenberger Christophe**, "Fast Learning for Multibiometrics Systems Using Genetic Algorithms", *IEEE International Conference on High Performance Computing & Simulation (HPCS)*, Caen, France, p. 266-273, 2010.
- **Giot Romain, El-Abed Mohamad, and Rosenberger Christophe**, "Keystroke Dynamics Authentication For Collaborative Systems", *IEEE International Symposium on Collaborative Technologies and Systems (CTS)*, Baltimore, Maryland, USA, p. 172-179, 2009.
- **Giot Romain, El-Abed Mohamad, and Rosenberger Christophe**, "GREYC Keystroke: a Benchmark for Keystroke Dynamics Biometric Systems", *IEEE International Conference on Biometrics: Theory, Applications and Systems (BTAS)*, Washington, D.C., p. 1-6, 2009.
- **Giot Romain, El-Abed Mohamad, and Rosenberger Christophe**, "Keystroke dynamics with Low Constraints SVM Based Passphrase Enrollment", *IEEE International Conference on Biometrics: Theory, Applications and Systems (BTAS)*, Washington, D.C., p. 425-430, 2009.

French/Norwegian Conference Papers

- **El-Abed Mohamad and Rosenberger Christophe**, "Evaluation de la sécurité d'un système biométrique", *IEEE 7ème Conférence sur la Sécurité des Architectures Réseaux et Systèmes d'Information*, Cabourg, France, p. 1-8, 2012.
- **El-Abed Mohamad, Hemery Baptiste, Charrier Christophe, and Rosenberger Christophe**, "Un modèle SVM pour l'évaluation de la qualité des données biométriques". *XXIII Colloque GRETSI*, Bordeaux, p. 1-4, 2011.
- **El-Abed Mohamad, Giot Romain, Charrier Christophe, and Rosenberger Christophe**, "Evaluation of Biometric Systems: A SVM Based Quality Index", *The third Norsk Information security conference (NISK)*, Norway, p. 1-12, 2010.
- **Giot Romain, El-Abed Mohamad, and Rosenberger Christophe**, "Authentification faiblement contrainte par dynamique de frappe au clavier", *17e congrès francophone de Reconnaissance des Formes et Intelligence Artificielle (RFIA)*, p. 1-8, 2010.