# Production Scientifique (<mark>depuis 2015</mark>)

- ## Publications indexées

  1. *Charafeddine E. Aitzaouiat,* **Adnane Latif,** *Abderrahim Benslimane & Hui-Hsin Chin,* "*Machine Learning Based Prediction and Modeling in Healthcare Secured Internet of Things"*, **Mobile Networks and Applications, Springer, <mark>2020</mark> (Thomson Reuters, SCOPUS).**

  2. *EDDABBAH MOHAMED, MOUSSAOUI MOHAMED, LAAZIZ YASSINE , AITZAOUIAT CAHARF EDDINE,* **LATIF ADNANE,** "Impacts of Body Area *Network* IEEE802.15.6 MAC Protocols on Medical Sensors Performance", Volume 5, Issue 5, May – <mark>2020,</mark> International Journal of Innovative Science and Research Technology.  ISSN No:-2456-2165

  3. Charaf Eddine Ait zaouiat, **Adnane Latif,** "Improvement of WBAN Performances by a Hybrid Model: "Design and Evaluation of a Novel Inter-MAC Layer Exploited In Medical Applications", International Journal of *Internet* Protocol Technology,  Vol.12 No.1, pp.26 - 34 <mark>2019</mark> , ISSN online: 1743-8217,  ISSN print: 1743-8209, **Indexing in Clarivate Emerging and SCOPUS** (**IF par SJR=0,14).**

  4. Wafa Benaatou, **Adnane Latif,** Vicent Pla, "Applying ANFIS Model in Decision-making of Vertical Handover between Macrocell and Femtocell Integrated Network", Journal of Telecommunication, Electronic and Computer Engineering, Vol. 11 No. 1 January - March <mark>2019</mark> (SCOPUS), *

  5. Zakaria Mahlaoui , Eva Antonino-Daviu , **Adnane Latif** , and Miguel *Ferrando*-Bataller, Design of a Dual-Band Frequency Reconfigurable Patch Antenna Based on Characteristic Modes, International Journal of Antennas and Propagation, Volume <mark>2019</mark>, Article ID 4512532 **(Thomson Reuters, SCOPUS).**

  6. Wafa Benaatou, **Adnane Latif,** Vicent Pla, **"*Performance Evaluation of the Vertical Handover in the Wireless Networks",* International Journal of Engineering & Technology (UAE),  Vol 7, No 4.16 , pp. 134-137 (2018).  ISSN: 2227-524X, Indexing SCOPUS, (IF par SJR=0,1)**

  7. C.E. AIT ZAOUIAT, **A.LATIF,** **"** *Performances Comparison of IEEE 802.15.6 and IEEE 802.15.4, Optimization and Exploitation in Healthcare and Medical Applications",*

(IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 8, No. 11, 2017.   E-ISSN: 2156-5570, P-ISSN: 2158-107X,   Indexing in Clarivate Emerging  and SCOPUS.

8.  Wafa *Benaatou*, **Adnane Latif,** Vicent Pla, " *Vertical handover decision algorithm in heterogeneous wireless networks",* **Int. J. Internet Protocol Technology, Vol. 10, No. 4, 2017. ISSN online: 1743-8217,    ISSN print: 1743-8209,   Indexing in Clarivate Emerging  and SCOPUS (IF par SJR=0,14) ).**

9.  C. E. Ait Zaouiat, M. Eddabbah, **A. Latif,** *"Medical Sensors Lifetime Improvement: Scheduled IEEE 802.15.6 MAC Layer Mechanism"*, *International* **Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 8, August 2016.    ISSN 1947 5500.**

10. **A.Latif,**  C.E Ait Zaouiat,  M.Eddabbah, ***"Lifetime Improvement of IEEE 802.15.6 Sensors in Scheduled Access Mode"***, World Academy of Science, *Engineering* and Technology International Journal of Computer and Information Engineering  (2016) Vol:3, No:8, 2016.   **ISSN 2010376X, 20103778,  Indexing in SCOPUS.**

11. **Adnane Latif,** Wafa Benaatou and Vicent Pla,  *''Analysis and Performance of Handover in Universal Mobile Telecommunications System (UMTS) Network Using OPNET Modeler''*, **World Academy of Science, Engineering and Technology International Journal of Computer and Information Engineering    Vol:3, No:8, 2016.   ISSN  2010376X, 20103778, Indexing in SCOPUS.**

12. **A. Abou El Kalam**, "Securing SCADA and critical industrial systems: From needs to security mechanisms", International Journal of Critical Infrastructure Protection, Volume 32, March 2021, 100394.  Thomson & *Reuters* / Scopus -Impact Factor : 2,164. https://www.sciencedirect.com/science/article/abs/pii/S1874548220300585?via%3Di hub

13. M. Talha, N. *Elmarzouki*, **A. Abou El Kalam**, "Towards a Powerful Solution for Data Accuracy Assessment in the Big Data Context", International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 11, No. 2, 2020. https://thesai.org/Downloads/Volume11No2/Paper_54 Towards_a_Powerful_Solution_for_Data_Accuracy_Assessment.pdf      Thomson & Reuters, Scopus -  Impact Factor : 1,1

14. H. Es-Samaali, **A. Abou El Kalam**, A. Outchakoucht, S. Benhadou, " Machine Learning Enhanced Access Control for Big Data", IJCSNS International Journal of *Computer* Science and Network Security, VOL.20 No.3, March 2020. http://paper.ijcsns.org/07_book/202003/20200312.pdf Thomson & Reuters, Impact Factor : 1,5

15. A. Outchakoucht, **A. Abou El Kalam**, H. Es-Samaali, S. Benhadou, "Machine Learning based Access Control Framework for the Internet of Things", *International* Journal of Advanced Computer Science and Applications, Vol. 11, No. 2, 2020. https://thesai.org/Publications/ViewPaper?Volume=11&Issue=2&Code=IJACSA&Serial No=43 Thomson & Reuters, Scopus - Impact Factor : 1,1

16. M. Talha, **A. Abou El Kalam**, N. Elmarzouqi, "Big Data: Trade-off between Data Quality and Data Security", Procedia Computer Science (2019), volume 151, pp. 916-922, Avril 2019, DOI information: 10.1016/j.procs.2019.04.127, Elsevier. https://doi.org/10.1016/j.procs.2019.04.127

17. J. El Mokhtari, **A. Abou El Kalam**, S. Benhadou, H. Medroumi, "PrivUML: A Privacy Metamodel", Procedia Computer Science (2019), volume 151, pp. 53-60, Avril 2019, DOI information: 10.1016/j.procs.2019.04.011, Elsevier. https://doi.org/10.1016/j.procs.2019.04.011

18. A. Ouaddah, **A. Abou El Kalam**, A. Aitouahman, "FairAccess: A new Access control framework for preserving security and privacy in The Internet of Things", Journal of Security and Communication Networks (SCN), Janvier 2017, Edition Wiley, disponible à http://*onlinelibrary*.wiley.com/doi/10.1002/sec.1748/abstract Thomson & Reuters, Impact Factor: 1,288.

19. Ouaddah, **A. Abou El Kalam**, A. Aitouahman, "FairAccess: a new Blockchain-based access control framework for the Internet of Things", Security and *Communication* Networks, Networks, 9: 5943–5964. doi: 10.1002/sec.1748. Décembre 2016, WileyOnlinr Library, Disponible à : http://onlinelibrary.wiley.com/doi/10.1002/sec.1748/abstract Thomson Reuters (ISI), Impact Factor: 1.067.

20. A. Agnaou, **A. Abou El Kalam**, A. Aitouahman,, "Automated technique to *reduce* positive and negative false from attacks collected through the deployment of distributed honeypot network", International Journal of Computer Science and

Information Security (IJCSIS), Volume 14 No. 9, September 2016, disponible à https://arxiv.org/ftp/arxiv/papers/1611/1611.03252.pdf et https://www.academia.edu/30682433/Automated_technique_to_reduce_positive_and_negative_false_from_attacks_collected_through_the_deployment_of_distributed_honeypot_network Thomson & Reuters, Impact Factor :3,111

21. A. Ouaddah, H. Mousannif, **A. Abou El Kalam**, A. Aitouahman, "Access control in The Internet of Things: Big challenges and new opportunities", *Computer* Networks Journal (COMNET), Elsevier, DOI: 10.1016/j.comnet.2016.11.007,disponible à http://www.sciencedirect.com/science/article/pii/S1389128616303735 ; https://www.journals.elsevier.com/computer-networks/ Thomson Reuters, Impact Factor: 2,516.

22. M. AitMrabti, **A. Abou El Kalam**, A. Aitouahman, N. Ammari, "New mechanism for Cloud Computing Storage Security", International Journal of Advanced Computer Science and Applications (IJACSA), Vol 7, N° 7, July 2016. *Disponible* à : http://science.thomsonreuters.com/cgi-bin/jrnlst/jlresults.cgi?PC=MASTER&ISSN=2158-107X et http://thesai.org/Downloads/Volume7No7/Paper_73-New_mechanism_for_Cloud_Computing_Storage.pdf homson& Reuters, Impact Factor : 1,324

23. **A. Abou El Kalam**, A. Ferreira, F. Kratz, Bilateral teleoperation system using QoS and secure communication networks for telemedicine applications, IEEE Systems Journal, 2016, 10(2), pp. 709–720, 7101218, https://*ieeexplore*.ieee.org/document/7101218 Thomson Reuters, Scopus, Impact Factor : 5,28

24. I. Bouij, **A. Abou El Kalam**, A. Aitouahman, "Smart-OrBAC : Enforcing security in the Internet of Things", International Journal of Advanced Computer Science and Applications (IJACSA), Vol. 6, No. 11, 2015. http://thesai.org/Publications/ViewPaper?Volume=6&Issue=11&Code=ijacsa&SerialNo=3 homson& Reuters, Impact Factor : 1,1

- **Publications non indexées**

1.  M. Talha, A. Abou El Kalam, " PACT: Privacy Aware Contact-Tracing Big Data Security and Privacy in the COVID-19 Era", Journal of Multidisciplinary Engineering Science and Technology (JMEST), Vol. 7 Issue 5, mai 2020.
    http://www.jmest.org/wp-content/uploads/JMESTN42353389.pdf

2.  M. Talha, N. Elmarzouki, A. Abou El Kalam, "Quality and Security in Big Data: Challenges as opportunities to build a powerful wrap-up solution", Journal of Ubiquitous Systems & Pervasive Networks, Volume 12, No. 1 (2020) pp. 09-15, DOI: 10.5383/JUSPN.12.01.002, Janvier 2020.
    http://iasks.org/wp-content/uploads/pdf/juspn/Vol-12_Issue-1/Pape-2_JUSPN20201201009015.pdf

3.  O. Mounnan, A. Abou El Kalam, "Efficient Distributed Access Control Using Blockchain for Big Data in Clouds ", ThinkMind Journal, June 30, 2019, **Published in:** conference ICWMC 2019 : The Fifteenth International Conference on Wireless and Mobile Communications, **ISSN:** 2308-4219, **ISBN:** 978-1-61208-719-1, Rome, Italy, 30 juin – 4 juillet2019.
    http://www.thinkmind.org/index.php?view=article&articleid=icwmc_2019_4_20_28002

4.  A. Outchakoucht, H. Es-Samaali, A. Abou El Kalam, S. Benhadou, "Reinforcement Learning and Blockchain to secure the Internet of Things", Revue Internet of Things, 30 janvier 2019, DOI : 10.21494/ISTE.OP.2019.0324, Volume3, Numéro 1, ISTE.
    https://www.openscience.fr/Apprentissage-par-Renforcement-et-Blockchain-Nouvelle-approche-pour-securiser-l

- **Ouvrages + Chapitre d'ouvrage**
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**Ouvrages:**
-A.LATIF, *''Conception des Antennes Patchs Circulaires par un Nouveau Modèle'',* **Edité par:** Noor Publishing, ISBN-10 : 333096636X , ISBN-13 : 9783330966369, Edition: 2017.

-A.LATIF, *''Antennes Patchs, Conception Et Optimisation "Applications Sans Fil",***Edité par:** Editions Universitaires Européennes, ISBN 978-3-8416-6359-7, Edition :2015.

**Chapitre d'ouvrage:**
- **Adnane Latif,** Design of a UWB Coplanar Fed Antenna and Circular Miniature Printed Antenna for Medical Applications, **Ouvrage:** "Advanced Radio Frequency Antennas for Modern Communication and Medical Systems" **Maison d'édition** IntechOpen, 2020.
- C.E Ait Zaouiat**, A.Latif,** "Design and Performances Evaluation of a Hybrid WBAN for Medical Applications Based on the "Inter-MAC" Layer Concept", **Ouvrage**: Advances in Intelligent Systems and Computing, Springer, 2019, ISBN 978-3-030-36664-3.

- **Communications**

1. **Hamza Benchakroun, Marta Cabedo-Fabrés, Miguel Ferrando-Bataller2, Zakaria Mahlaoui1, Adnane Latif, "** *New Approach for the Design of UWB Monopoles with Directive Radiation for BAN Applications"*, 12th European Conference on Antennas and Propagation (EUCAP), 9-13 April, London, UK, 2018.

2. **Zakaria Mahlaoui, Eva Antonino-Daviu, Adnane Latif, Miguel Ferrando-Bataller,** "*Radiation Pattern Reconfigurable Antenna Design Using Characteristic Modes"*, 12th European Conference on Antennas and Propagation (EUCAP), 9-13 April, London, UK, 2018.

3. **Zakaria Mahlaoui, Eva Antonino-Daviu, Adnane Latif, Miguel Ferrando-Bataller, Carlos Ramiro Peñafiel-Ojeda**, *"Frequency Reconfigurable Patch Antenna Using Pin Diodes with Directive and Fixed Radiation Pattern"*, 2018 International Conference on Selected Topics in Mobile and Wireless Networking (MoWNeT), Jun 20-22 2018, Tangier, Morocco. (**SCOPUS indexed).**

4. **W. Benaatou, V. Pla , A. Latif and M. D. Baba** , *"Handover based on a Multi Criteria approach in WiMax Networks"*, IEEE IWCMC 2017,Valencia, Spain, 26-30 June, 2017. **(IEEE Xplore Digital Library and SCOPUS indexed)**

5. **Zakaria Mahlaoui, Eva Antonino-Daviu, Miguel Ferrando-Bataller, Hamza Benchakroun, Adnane Latif**, "*Frequency Reconfigurable Patch Antenna with Defected Ground Structure Using Varactor Diodes"*, 11th European Conference on Antennas and Propagation (EUCAP), 20-24 March, Paris France, 2017.

6. **C.E AIT ZAOUIAT, A. LATIF**, *"Internet of Things and Machine Learning Convergence: The E-healthcare Revolution",* International Conference On Computing and Wireless Communication Systems, ACM. ISBN: 978-1-4503-5306-9, November 14-16, 2017, Larache, Morocco. **(ACM Digital Library and SCOPUS indexed)**.

7. **A.Latif, C.E Ait Zaouiat, M.Eddabbah,** *"Lifetime Improvement of IEEE 802.15.6 Sensors in Scheduled Access Mode"*, 18th International Conference on Information Technology and Computer Sciences, 11-12 August, Barcelona, Spain, 2016.

8. **Wafa Benaatou, Adnane Latif, Vicent Pla,** *''Analysis and Performance of Handover in UMTS Network''*, 14th Annual Industrial Simulation Conference, 6-8 June, 2016, Bucharest, Romania . (**SCOPUS indexed)**

9. **Haddouche Ayoub, Adnane Latif, Cina MOTAMED** *''A Novel features fusion approach for pedestrian detection''*, 6th International Conference on Next Generation Networks and Services, 16-18 December, Rabat, Morocco, 2016.

10. **A Latif, W. Beaatou, P.Vicent,** *"Analysis and Performance of Handover in Universal Mobile Telecommunications System Network Using OPNET Modeller",* *18th* International Conference on Information Technology and Computer Sciences, 11-12 August, Barcelona, Spain, 2016.

11. **Wafa Benaatou, Adnane Latif, Vicent Pla,** *"Analysis of vertical handoff in UMTS network using simulation approach based Opnet"*, 13th Annual Industrial Simulation Conference, 1-3 June 2015, Valencia, Spain. . (**SCOPUS indexed**).

12. **Z. Mahlaoui , A Latif , A S Hussaini, Ra Abd-Alhameed,** *''Design of a Sierpinski patch antenna around 2.4 GHz/5GHz for WiFi (IEEE 802.11n) applications''* 2015 Internet Technologies and Applications (ITA 2015), 8 - 11 September 2015, Wrexham, North Wales, UK **(I EEE Xplore Digital Library and SCOPUS indexed),**

13. A.Outchakoucht, H.Es-Samaali, O.Mounnan, A. Abou El Kalam, S.Benhaddou,Towards a Privacy preserving Machine Learning based Access Control for the Internet of Things, International conference on Computing and Machine Intelligence, Istanbul, Turkey, 2021

14. H.Es-Samaali, A.Outchakoucht, O.Mounnan, A. Abou El Kalam, S.Benhaddou, Anomaly Detection for Big Data Security: A Benchmark, BDET (Big Data Engineering) 2021, Singapore

15. O. Mounnan, T. Hidar,A. El Mouatasim,O. Mounad, A.Abou el Kalam, Privacy-Aware and Authentication based on Blockchain with Fault Tolerance for IoT enabled Fog Computing, 2020 Fifth International Conference on Fog and Mobile Edge Computing, 20-23 April 2020, Paris France, IEEE

16. O. Mounnan, A. Abou El Kalam, L. El Haourani, "Decentralized Access Control Infrastructure Using Blockchain for Big Data", 6th ACS/IEEE International Conference on Computer Systems and Applications AICCSA 2019, November 3rd to November 7th, 2019, IEEE Computer Society and IEEE Xplore, Abu

Dhabi, United Arab Emirates https://ieeexplore.ieee.org/abstract/document/9035221

17. M. Talha, A. Abou El Kalam, N. Elmarzouki, "Big Data: Trade-off between Data Quality and Data Security", 9th International Symposium on Frontiers in Ambient and Mobile Systems (FAMS), April 29 – May 2, 2019, Leuven, Belgium. https://www.sciencedirect.com/science/article/pii/S1877050919305915

18. T. Hidar, A. Abou El Kalam, S. Benhaddou, Ensuring the Security and Performances in Tactile Internet using Physical Unclonable Functions, 4th conference on complexe system (WCCS), 22-25 April 2019, Ouarzazate, Morocco, IEEE https://ieeexplore.ieee.org/document/8930801

19. T. Hidar, A. Abou El KAlam, S. Benhaddou, "Tactile Internet Security with Physical Unclonable Function", World conference on Complex Systems (WCCS19), 22-25 avril 2019, IEEE, https://ieeexplore.ieee.org/document/8930801

20. O. Khalil, A. Abou El Kalam,"Tactile Internet: New Challenges and Emerging Solutions", International Conference on Big Data and Smart Environment (ICBDSDE 2018, 29-30 November 2018), Springer"Studies in Big Data, 22 février 2019", DOI: 10.1007/978-3-030-12048-1_25, vol 53. SpringeretIEEE Xplore. https://link.springer.com/chapter/10.1007/978-3-030-12048-1_25

21. L. El haourani, A. Abou El kalam, A. Aitouahman, "Knowledge Based Access Control a model for security and privacy in the Big Data", Conf SCA 2018, 10-11 Octobre, Tetouan, Morocco, "ICPS series, ACM Digital Library (indexed by Scopus and DBLP), Springer Books Series". https://dl.acm.org/citation.cfm?id=3286793

22. A. Abou El Kalam, "Protecting SCADA Critical Networks: from Needs to Security Mechanisms", The International Conference on Control, Automation and Diagnosis 2018, March 19-21, 2018 at Marrakech, Morocco, IEEE

23. A. Abou El Kalam, A. Outchakoucht, H. Es-Samaali, "Emergence-Based Access Control: New Approach to Secure the Internet of Things", International Conference on Digital Tools & Uses Congress, Octobre 2018, Paris. ACM Digital Library. https://dl.acm.org/citation.cfm?id=3240136 https://www.researchgate.net/publication/328087833_Emergence-Based_Access_Control_New_Approach_to_Secure_the_Internet_of_Things

24. N. Ammari, A. Ait El Mrabti, A. Abou El Kalam, A. AitOuahman,, "Securing the Mobile Environment: Firewall Anti-Leak of Sensitive Data on Smartphone", International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), University of Cambridge, United Kingdom. 22-23 March 2017, ACM, Springer.

25. A. Ait El Mrabti, A. Abou El Kalam, A. AitOuahman, "New strategy to secure data in Cloud Computing", International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), University of Cambridge, United Kingdom. 22-23 March 2017, ACM, Springer.

26. A. Ouaddah, A. Abou El Kalam, A. Aitouahman, "Harnessing the power of Blockchain technology to solve IoT Security & Privacy issues in IoT", The second International Conference on Internet of Things, Data and Cloud Computing (ICC 2017) University

of Cambridge, United Kingdom Indexation: ACM Digital Library. ISBN: 978-1-4503-4774-7

27. A. Ait El Mrabti, A. Abou El Kalam, A. AitOuahman, "Mobile App Security by Fragmentation "MASF", International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), University of Cambridge, United Kingdom. 22-23 March 2017, ACM, Springer.

28. S. Ibjaoun, A. Abou El Kalam, A. Aitouahman, V. Poiriez, M. De montfort, "Analysis and enhancements of an efficient biometric-based remote user authentication scheme using smart cards", ACS/IEEE International Conference on Computer Systems and Applications, November 29th - December 2nd, 2016, Agadir – Morocco), IEEE Computer Society. http://docplayer.net/36246104-13th-acs-ieee-international-conference-on-computer-systems-and-applications-aiccsa-2016-november-29th-to-december-2nd-2016-programme.html

29. N. Ammari, A. Ait El Mrabti, A. Abou El Kalam, A. AitOuahman, N. El Hami, "Securing the Mobile Environment Firewall Anti-Leak of Sensitive Data on Smartphone", 4th International Colloquim on Information Science and Technology, October 24-26, Tangier, Morocco. 2016, IEEE.

30. A. Ait El Mrabti, N. Ammari, A. Abou El Kalam, A. AitOuahman, "Security Data by Fragmentation In Smartphone "SeDaFIS"", 4th International Colloquim on Information Science and Technology, October 24-26, Tangier, Morocco. 2016, IEEE.

31. A. Ouaddah, A. Abou Elkalam, A. AitOuahman, Toward a blockchain-based access control framework for preserving security and privacy in IoT, International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), University of Cambridge, United Kingdom, from March 22nd to 23rd 2017, Springer.

32. N. Ammari, A. Ait El Mrabti, A. Abou el kalam, A. Aitouahman, "Firewall Anti-Leak of Sensitive Data", 7th International Conference on Ambiant Systems, Networks and Technologies (ANT 2016), Madrid, Spain, May 23-26, Elsevier.

33. A. Ouaddah, A. Abou El Kalam, A. Aitouahman, "Towards a Novel Privacy-Preserving Access Control Model Based on Blockchain Technology in IoT". In: Rocha Á., Serrhini M., Felgueiras C. (eds) Europe and MENA Cooperation Advances in Information and Communication Technologies. Advances in Intelligent Systems and Computing, vol 520. Springer, Cham, DOI: 10.1007/978-3-319-46568-5_53 Link: https://link.springer.com/chapter/10.1007/978-3-319-46568-5_53 Indexation: ISI, EI-Compendex, SCOPUS and DBLP, among others, available in the SpringerLink Digital Library

34. A. Ouaddah, A. Abou El Kalam, A. Aitouahman, "Access control in IoT: a state of the art", 5th International Conference on Multimedia Computing and Systems ( ICMCS'16), Marrakech, Morocco.

35. I. Bouij, A. Abou El Kalam, A. Aitouahman, M. Demontfort, "SmartOrBAC A new access control model for Internet of Things", The 14th International Conference on Cryptology and Network Security (CANS 2015) 10-12 December 2015, Morocco, Marrakesh, Lecture Notes in Computer Science (LNCS), Springer, http://www.springer.com/cda/content/document/cda_downloaddocument/97833 19268224-c2.pdf?SGWID=0-0-45-1545041-p177802393

**36.** I. Pasquier, A. Abou El Kalam, A. Aitouahman, M. Demontfort, "SmartOrBAC Security and Privacy in the Internet of things", 12th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA 2015), November 17-20, 2015, Marrakech, Morocco, http://ieeexplore.ieee.org/document/7507098/

**37.** H. Benmoussa, A. Abou El Kalam, A. Aitouahman, Distributed Intrusion Detection System Based On Anticipation And Prediction Approach, 12th International Conference on Security and Cryptography (SECRYPT 2015), Calmar France, 20-22 July, 2015, Springer, IEEE, http://secrypt.icete.org/, http://www.scitepress.org/DigitalLibrary/Link.aspx?doi=10.5220/00055568034303 48

**38.** A. Saâdaoui, H. Benmoussa, A. Bouhoula, A. Abou EL Kalam, "Automatic Classification and Detection of Snort Configuration Anomalies - a Formal Approach", International Joint ConferenceAdvances in Intelligent Systems and Computing Volume 369, 2015, pp 27-39, Springer, 2015, http://link.springer.com/chapter/10.1007/978-3-319-19713-5_3

**39.** A. Agnaou, A. Abou El Kalam, A. Aitouahman, "Moroccan Distributed Honeynet System", National Security Days, May 7, 2015, IEEE, https://www.researchgate.net/profile/Abdeljalil_Agnaou/publications

**40.** M. El anbal, A. Abou El Kalam, "Toward Protecting SCADA Systems: Log-based , intrusion-tolerance, selfhealing and Modbus Sec to protect SCADA systems from cybercriminal threats ",National Security Days, May 7, 2015, IEEE, http://www.univ-ibntofail.ac.ma/ensak/jns5/tel/Advanced-Program%20JNS'5.pdf

**41.** A. Ouaddah, I. Pasquier, A. Abou El Kalam, A. Aitouahman, "Security analysis and proposal of new access control model in the Internet of Thing", International Conference on Electrical and Information Technologies (ICEIT), 25-27 March 2015, Marrakesh Morocco, p. 30-35. DOI: 10.1109/EITech.2015.7162936, IEEE, available at: http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7162936