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Employment History

- Jan 2021–Today **Assistant Professor of Computer Science**, *Ecole Normale Supérieure (ENS)*, University Moulay Ismail of Meknes.
- 2021 – 2022 **Visiting Professor of Computer Science**, at *Académie Royale Militaire de Meknès*.
- 2020 – 2021 **Visiting Professor of Computer Science**, at the Faculty of Science and Technology - Tanger (FSTT).
- 2017 – 2021 **Professor of Computer Science**, at EIGSI - Casablanca.
- 2019 – 2020 **Visiting Professor of Computer Science**, at the Faculty of Science and Technology- Tanger (FSTT).
- 2018 – 2019 **Visiting Professor of Computer Science**, at the Faculty of Science and Technology- Tanger (FSTT).
Visiting Professor of Computer Science, at the Faculty of Science and Technology- Tanger (FSTT).
- 2017 – 2018 **Visiting Professor of Computer Science**, at the Faculty of Science and Technology - Tanger (FSTT).
- 2014 – 2015 **Visiting Professor of Computer Science**, at the Faculty of Science and Technology - Errachidia (FSTE).

Education

- 2014 – 2017 **Ph.D in Computer Science**,
 - *Institution* : Faculté des Sciences et Techniques Errachidia (FSTE), Université Moulay Ismail.
 - **Subject** : *Contributions à l'amélioration des performances des réseaux DTN à base de la DRHT*
 - *Mention* : Très Honorable
- 2011 – 2013 **Master in Telecommunication**,
 - *Institution* : École Nationale des Sciences Appliqués (ENSA) de Fès, Université Sidi Mohamed Ben Abdellah.
 - **Subject** : *Reconnaissance d'un système de communication.*
 - *Mention* : Assez-Bien
- 2006 – 2010 **Bachelor of Science (B.S.)**
 - *Institution* : Faculté des Sciences de Meknès, Université Moulay Ismail.
 - **Subject** : *Étude et réalisation d'un émetteur FM.*
- 2006 **Baccalaureate Degree in experimental sciences**
 - *Institution* : Sijlmassa High School, Errachidia.
 - *Mention* : Passable

Research Publications



Journal

- 1 Hanae Errousso, **El Arbi Abdellaoui Alaoui**, Siham Benhadou and Anand Nayyar. "Intelligent parking space management: a binary classification approach for detecting vacant spots", *Progress in Artificial Intelligence*, Springer, Vol. 9, 2024. **IF : 3.6** **Q1**
<https://doi.org/10.1007/s11042-024-18777-w>
- 2 Marwane Bel-lahcen, **El Arbi Abdellaoui Alaoui**, Stéphane Cédric KOUMETIO TEKOUABOU and Othmane Naggar . "A Quantitative Approach to Road Safety in Morocco: Reducing Accidents through Predictive Modeling", *E3S Web Conf.* ,Volume 418, 2023.
<https://doi.org/10.1051/e3sconf/202341802004>
- 3 Oumaima Chakir, Abdeslam Rehami, Yassine Sadqi, **El Arbi Abdellaoui Alaoui**, Moez Krichen, Gurjot Singh Gaba, Andrei Gurtov. "An Empirical Assessment of Ensemble Methods and Traditional Machine Learning Techniques for Web-based Attack Detection in Industry 5.0", *Journal of King Saud University - Computer and Information Sciences*, Elsevier, 2023. **IF : 8.83** **Q1**
<https://doi.org/10.1016/j.jksuci.2023.02.009>
- 4 **El Arbi Abdellaoui Alaoui**, Stéphane Cédric KOUMETIO TEKOUABOU, Yassine Maleh and Anand Nayyar. "Towards to intelligent routing for DTN protocols using machine learning techniques", *Simulation Modelling Practice and Theory*, Elsevier, Vol. 117, 2022. **IF : 4.19** **Q1**
<https://doi.org/10.1016/j.simpat.2021.102475>
- 5 **El Arbi Abdellaoui Alaoui**, Stéphane Cédric KOUMETIO TEKOUABOU, Yassine Maleh and Anand Nayyar. "Corrigendum to "Towards to intelligent routing for DTN protocols using machine learning techniques" [Simulation Modelling Practice and Theory 117 (2022) 102475]", *Computers & Security*, Elsevier, Vol. 124, 2023. **IF : 5.10** **Q1**
<https://doi.org/10.1016/j.cose.2022.103012>
- 6 **El Arbi Abdellaoui Alaoui**, Mohamed-Lamine Messai and Anand Nayyar. "Using Machine Learning in WSNs for Performance Prediction MAC Layer", *International Journal of Information Security and Privacy (IJISP)*, Vol. 16, 2022. **SJR : 0.33**
<https://10.4018/IJISP.303667>
- 7 Hanae Errousso, **El Arbi Abdellaoui Alaoui**, Siham Benhadou and Hicham Medromi. "Exploring how independent variables influence parking occupancy prediction: toward a model results explanation with SHAP values", *Progress in Artificial Intelligence*, Springer, Vol. 9, 2022. **SJR : 0.91** **Q2**
<https://doi.org/10.1007/s13748-022-00291-5>
- 8 Amine Sallah, **El Arbi Abdellaoui Alaoui** and Said Agoujil. "Machine Learning Interpretability to Detect Fake Accounts in Instagram", *International Journal of Information Security and Privacy (IJISP)*, Vol. 16, 2022. **SJR : 0.33**
10.4018/IJISP.303665
- 9 Stéphane Cédric KOUMETIO TEKOUABOU, **El Arbi Abdellaoui Alaoui**, Imane Chabbar, Hamza Toulmi, Walid CHERIF, Hassan SILKAN. "Optimizing the early glaucoma detection from visual fields by combining preprocessing techniques and ensemble classifier with selection strategies", *Expert Systems with Applications*, Elsevier, Vol. 21, 2022. **IF : 8.66** **Q1**
<https://doi.org/10.1016/j.eswa.2021.115975>
- 10 **El Arbi Abdellaoui Alaoui** and Stéphane Cédric KOUMETIO TEKOUABOU. "Intelligent Management of Bike Sharing in Smart Cities using Machine Learning and Internet of Things", *Sustainable Cities and Society*, Elsevier, Vol. 148, 2021. **IF : 10.69** **Q1**
<https://doi.org/10.1016/j.scs.2020.102702>
- 11 Hayat Sahlaoui, **El Arbi Abdellaoui Alaoui**, Anand Nayyar; Said Agoujil and Mustafa Musa Jaber. "Predicting and Interpreting Student Performance Using Ensemble Models and Shapley Additive Explanations", *IEEE Access*, Vol. 9, 2021. **IF : 3.36** **Q1**











<https://10.1109/ACCESS.2021.3124270>

- 12 Hanae Errouso, Jihane El Ouadi, **El Arbi Abdellaoui Alaoui** and Siham Benhadou. "Dynamic parking space allocation at urban scale: Problem formulation and resolution", *Journal of King Saud University - Computer and Information Sciences, Elsevier*, 2021. **IF : 8.83** **Q1**
<https://doi.org/10.1016/j.jksuci.2021.11.011>
- 13 Hanae Errouso, **El Arbi Abdellaoui Alaoui** and Siham Benhadou. "Efficient forwarding strategy in HDRP protocol based Internet of Things", *Journal of Computer Communications, Elsevier*, Vol. 170, 2021. **IF : 5.04** **Q1**
<https://doi.org/10.1016/j.comcom.2021.02.003>
- 14 Stéphane Cédric KOUMETIO TEKOUABOU, Walid CHERIF, HAMZA TOULNI, **El Arbi Abdellaoui Alaoui**, Hassan SILKAN. "Using Class Membership based Approach to Improve Predictive Classification in Customer Relationship Management Systems", *International Journal of Computing*, Vol. 21, 2022. **SJR : 0.31**
<https://doi.org/10.1016/j.jksuci.2020.01.008>
- 15 Stéphane Cédric KOUMETIO TEKOUABOU, **El Arbi Abdellaoui Alaoui**, Walid CHERIF, Hassan SILKAN. "Improving parking availability prediction in Smart Cities with IoT and ensemble-based model", *Journal of King Saud University - Computer and Information Sciences, Elsevier*, 2020. **IF : 8.83** **Q1**
<https://doi.org/10.1016/j.jksuci.2020.01.008>
- 16 Hanae Errouso, Jihane El Ouadi, **El Arbi Abdellaoui Alaoui**, Siham Benhadou, Hicham Medromi. "A Hybrid Modeling Approach for Parking Assignment in Urban Areas", *Journal of King Saud University - Computer and Information Sciences, Elsevier*, 2020. **IF : 8.83** **Q1**
<https://doi.org/10.1016/j.jksuci.2020.11.006>
- 17 **El Arbi Abdellaoui Alaoui**, Stéphane Cédric KOUMETIO TEKOUABOU, Sri Hartini, Zuherman Rustam, Hassan SILKAN and Said AGOUJIL. "Improvement in Soft Tissues Tumors Automated Diagnosis using Machine Learning", *Journal of BIG DATA MINING AND ANALYTICS, IEEE*, 2020. **IF : 13.6** **Q1**
[10.26599/BDMA.2020.9020023](https://doi.org/10.26599/BDMA.2020.9020023)
- 18 **El Arbi Abdellaoui Alaoui**, Hanane Zekkori and Said Agoujil. "Hybrid Delay Tolerant Network Routing Protocol for Heterogeneous Networks", *Journal of Network and Computer Applications (JNCA), Elsevier*, Vol. 148, 2019. **IF : 7.57** **Q1**
<https://doi.org/10.1016/j.jnca.2019.102456>
- 19 **El Arbi Abdellaoui Alaoui**, Stéphane Cédric KOUMETIO TEKOUABOU, Antoine Gallais and Said Agoujil. "DTN Routing Hierarchical Topology for the Internet of Things", *Journal of Procedia Computer Science, Elsevier*, Vol. 170, 490-497, 2020. **IF : 1.26**
<https://doi.org/10.1016/j.procs.2020.03.107>
- 20 **El Arbi Abdellaoui Alaoui**, Mustapha El Mouddeh, Khalid Nassiri and Said Agoujil, "Game theory-based analysis of inter-cluster communication in a DRHT network", *International Journal of Intelligent Enterprise*, Vol. 6, No. 2/3/4, pp.262-292, 2019. **SJR : 0.12**
[10.1504/IJIE.2019.101131](https://doi.org/10.1504/IJIE.2019.101131)
- 21 **El Arbi Abdellaoui Alaoui** and Khalid Nassiri, "Stochastic Analysis of DTN Routing Protocols in in delay tolerant network routing hierarchical topology", *International Journal of Wireless and Mobile Computing (IJWMC)*, Vol. 15, No. 1, pp.28-46, 2018. **SJR : 0.17**
[10.1504/IJWMC.2018.094642](https://doi.org/10.1504/IJWMC.2018.094642)
- 22 **El Arbi Abdellaoui Alaoui** S. Agoujil, M. Hajar and Y. Qaraai, "Optimal cluster Head in DTN Routing Hierarchical Topology (DRHT)", *International Journal of Communication Networks and Information Security (IJCNIS)*, Vol 2, pp: 101-111, 2016. **SJR : 0.23**
<https://www.ijcnis.org/index.php/ijcnis/article/view/1642>
- 23 **El Arbi Abdellaoui Alaoui**, Mustapha El Mouddeh, "Security Analysis for Intelligent Urban Freight Transport", *International Journal of Information Privacy, Security and Integrity*, Vol. 4, 2019.

 [10.1504/IJIPSI.2019.103552](https://doi.org/10.1504/IJIPSI.2019.103552)

- 24 **El Arbi Abdellaoui Alaoui** S. Agoujil, M. Hajar and Y. Qaraai, "Improving the Delivery Rate of Data with : DTN Routing Hierarchical Topology (DRHT)", *International Journal of Communications*, Vol 10, pp : 95-101, 2016
- 25 **El Arbi Abdellaoui Alaoui** S. Agoujil, M. Hajar and Y. Qaraai, "The Performance of DTN Routing Protocols: A Comparative Study", *WSEAS Transactions on Communications*, Vol 14, pp: 121-130, 2015.
 [10.1504/wseas2015.103552](https://doi.org/10.1504/wseas2015.103552)
- 26 **El Arbi Abdellaoui Alaoui** S. Agoujil and Y. Qaraai, "Reconstructed Speech signal Based on Signal Model and TSVD Method", *International Journal of Mathematics & Computation*, Vol 26, pp: 69-76, 2015.
 [10.1504/ceserp.6976](https://doi.org/10.1504/ceserp.6976)

Chapter

- 1 Adnane Filali, **El Arbi Abdellaoui Alaoui** and Mostafa Merras, "Machine Learning in Cybersecurity: Evaluating Text Encoding Techniques for Optimized SMS Spam Detection", *Artificial Intelligence, Data Science and Applications*, Springer, vol : 147, 2024.
 https://doi.org/10.1007/978-3-031-48573-2_25
- 2 Amine Sallah, **El Arbi Abdellaoui Alaoui**, Said Agoujil, "Enhancing Fake Account Detection on Facebook Using Boruta Algorithm", *Artificial Intelligence, Data Science and Applications*, Springer, vol : 147, 2024.
 https://doi.org/10.1007/978-3-031-48573-2_80
- 3 **El Arbi Abdellaoui Alaoui**, Stéphane Cédric KOUMETIO TEKOUABOU, Walid Cherif and Hassan Silkan, "Prediction of Bus Waiting Time in Smart Cities Using Machine Learning Techniques and the Internet of Things", *Advanced Intelligent Systems for Sustainable Development*, Springer, 2020.
 https://doi.org/10.1007/978-3-030-36674-2_36
- 4 **El Arbi Abdellaoui Alaoui**, Khalil Amine, Mustapha El Moudden and Khalid Nassiri, "Study on the Number of Message Ferries in a DTN Hierarchical Routing Based Topology", *Innovations in Smart Cities Applications*, Springer, pp.1-10, 2019.
 https://doi.org/10.1007/978-3-030-11196-0_74
- 5 Y. ROUCHDI, **El Arbi Abdellaoui Alaoui**, K. El Yassini, "Analysis of the Security Between Smart Vehicles and Parcels in Smart Cities", *Innovations in Smart Cities Applications*, Springer, 2019.
 https://doi.org/10.1007/978-3-030-11196-0_80
- 6 **El Arbi Abdellaoui Alaoui**, Hanane Zekkori, and Said Agoujil, "Study of the Performance of the DRHT and TSP in DTN Networks", *Recent Advances in Electrical and Information Technologies for Sustainable Development*, Springer, pp.1-10, 2019.
 https://doi.org/10.1007/978-3-030-05276-8_15
- 7 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajar, Y. Qaraai, "DTN Networks : Optimal cluster Head in DTN Routing Hierarchical Topology (DRHT)", *Advances in Ubiquitous Networking*, Springer, pp : 109-122, 2016.
 https://doi.org/10.1007/978-981-10-1627-1_9
- 8 **El Arbi Abdellaoui Alaoui**, Khalid Nassiri & Stephane Cedric Koumetio Tekouabou, "Explainable Machine Learning Model for Performance Prediction MAC Layer in WSNs", *Data Engineering and Communications Technologies*, Springer, vol : 147, 2023.
 https://doi.org/10.1007/978-3-031-15191-0_23
- 9 **El Arbi Abdellaoui Alaoui**, K. Nassiri, "Maximizing the Delivery Rate for DTN Networks", *Advances in Intelligent Systems and Computing*, Springer, Vol 565, pp: 10-17, 2016.
 https://doi.org/10.1007/978-3-319-60834-1_2
- 10 Amine Sallah, **El Arbi Abdellaoui Alaoui**, Said Agoujil, "Interpretability Based Approach to Detect Fake Profiles in Instagram", *Data Engineering and Communications Technologies*, Springer, vol : 147, 2023.
 https://doi.org/10.1007/978-3-031-15191-0_29

- 11 Hayat Sahlaoui, **El Arbi Abdellaoui Alaoui**, Said Agoujil, "A Game Theoretic Framework for Interpretable Student Performance Model", *Advances in Ubiquitous Networking, Springer*, pp : 109-122, 2023.
https://doi.org/10.1007/978-3-031-15191-0_3

Conference paper

- 1 Hayat Sahlaoui, **El Arbi Abdellaoui Alaoui**, Said Agoujil, "A framework towards more accurate and explanatory student performance model", *International Conference on Networking, Information Systems & Security, ACM*, pp : 1-8, 2021.
<https://doi.org/10.1145/3454127.3457634>
- 2 Stéphane Cédric KOUMETIO TEKOUABOU, **El Arbi Abdellaoui Alaoui**, Imane CHABBAR Walid CHERIF, Hassan SILKAN. "Machine Learning Approach for Early Detection of Glaucoma from Visual Fields", *International Conference on Networking, Information Systems & Security, ACM*, 2020.
<https://doi.org/10.1145/3386723.3387858>
- 3 **El Arbi Abdellaoui Alaoui**, Stéphane Cédric KOUMETIO TEKOUABOU, Antoine Gallais and Said Agoujil. "Towards a DTN protocol for the Internet of Things", *Global Information Infrastructure and Networking Symposium, IEEE*, 2020.
[10.1109/GIIS48668.2019.9044962](https://doi.org/10.1109/GIIS48668.2019.9044962)
- 4 **El Arbi Abdellaoui Alaoui**, Mustapha El Moudden, Khalid Nassiri and Said Agoujil, "A Game Stochastic Model for Data Dissemination between Ferries and Cluster Head in Delay Tolerant Networks Routing Hierarchical Topology", *Lecture Notes in Computer Science, Springer*, pp, 9-24, 2019.
https://doi.org/10.1007/978-3-030-22885-9_2
- 5 Youssef BEN AKKA , Abderrafii RAHALI, Hassane ALAMI and **El Arbi Abdellaoui Alaoui**. "Control And Command Of Several Greenhouses Via Telegram Messenger", *The 2nd International Conference on Networking, Information Systems & Security*, March 27-29, Rabat, Morocco, 2019.
<https://doi.org/10.1145/3320326.3320327>
- 6 **El Arbi Abdellaoui Alaoui**, K. Nassiri, M. El Moudden and J. Jacquet, "On Circulation Efficiency of Message Ferries in Delay Tolerant Networks : DRHT case", (**Invited paper**), *The International Conference on Wireless Networks and Mobile Communications (WINCOM'18), IEEE*, 2018. **SJR : 0.27**
[10.1109/WINCOM.2018.8629591](https://doi.org/10.1109/WINCOM.2018.8629591)
- 7 **El Arbi Abdellaoui Alaoui**, K. Amine, M. El Moudden and S. Agoujil, "Towards an Efficient Circulation of Message Ferry in the DRHT", *The International Conference on Smart City Applications (SCA 2018), ACM*, October 10-11, Tetouan, Morocco, 2018.
<https://doi.org/10.1145/3286606.3286807>
- 8 **El Arbi Abdellaoui Alaoui** and M. El Moudden, "A Game Theoretic Approach to Analyse Security between Smart Vehicles and Parcels in Smart Cities", *MATEC Web of Conferences*, Vol. 200, 00002 (2018). **SJR : 0.27**
<https://doi.org/10.1051/mateconf/201820000002>
- 9 **El Arbi Abdellaoui Alaoui**, K. Nassiri and M. El Moudden, "Framework for Analysing of Inter-cluster Communication in the DRHT by Using Game Theory", *The Mediterranean Symposium on Smart City Applications (SCAMS 2017), ACM*, October 25-27, Tangier, Morocco, 2017.
<https://doi.org/10.1145/3175628.3175648>
- 10 H. Zekkori, **El Arbi Abdellaoui Alaoui** and S. Agoujil, "Minimizing Delivery Delay for DTN Using the DRHT", *the International Conference on Electrical and information Technologies, (ICEIT2017), IEEE*, November 15-18, Rabat, Morocco, 2017. **SJR : 0.14**
[10.1109/EITech.2017.8255221](https://doi.org/10.1109/EITech.2017.8255221)
- 11 **El Arbi Abdellaoui Alaoui** and M. Lamhamdi, "Study of the Energy Performance of DTN Protocols", *The International Conference on Intelligent Systems and Computer Vision (ISCV 2017), IEEE* November 15 -18, Fes, Morocco, 2017.
[10.1109/ISACV.2017.8054990](https://doi.org/10.1109/ISACV.2017.8054990)
- 12 **El Arbi Abdellaoui Alaoui** S. Agoujil and M. Hajar, , "Stochastic Modeling and Analysis of DTN Networks", *The International Conference on Information Technology for Organizations Development (IT4OD), IEEE*, pp: 1-6, November 15 -18, Fes, Morocco, 2016.
[10.1109/IT4OD.2016.7479299](https://doi.org/10.1109/IT4OD.2016.7479299)
- 13 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajar, Y. Qaraai, "Improving the Data Delivery using DTN Routing Hierarchical Topology (DRHT)", *The International Conference on Wireless Networks and Mobile Communications (WINCOM'16), IEEE*, pp : 1-5, 2016. **SJR : 0.27**
[10.1109/WINCOM.2016.7777181](https://doi.org/10.1109/WINCOM.2016.7777181)

Communication

- 1 Y. ROUCHDI, **El Arbi Abdellaoui Alaoui**, M. El Moudden, "Analysis of the Security between Smart Vehicles and Parcels in Smart Cities", *The International Conference on Networking, Information Systems & Security (NISS 2018)*, Avril 27-28, 2018, FST-Tanger, Morocco, 2018.

- 2 H. Zekkori, **El Arbi Abdellaoui Alaoui**, S. Agoujil, "Protocole DTN adaptatif pour les objets communicants hétérogènes : HDRP", *The International Symposium on Computer Sciences and Applications (ISCSA2017)*, October 26-28, 2017, FST-Errachidia, Morocco, 2017.
- 3 **El Arbi Abdellaoui Alaoui**, K. Nassiri, M. El Moudden, "Non-cooperative Games for TSP Topology in DTN Network", *The International Symposium on Computer Sciences and Applications (ISCSA2017)*, October 26-28, 2017, FST-Errachidia, Morocco, 2017.
- 4 **El Arbi Abdellaoui Alaoui**, H. Zekkori, S. Agoujil, "Non-Cooperative Game for DRHT Topology in DTN Network", *The African Days on Applied Mathematics, (ADAM 2017)*, November 15 -18, FST Errachidia, Morocco, 2017.
- 5 **El Arbi Abdellaoui Alaoui**, K. Nassiri, "Improving the Performance of Delivery Rate for DTN Networks", *The International Conference on Computing and Wireless Communication Systems: ICCWCS'16*, Morocco, November 15-16, FST Settata, Morocco, 2016.
- 6 **El Arbi Abdellaoui Alaoui**, S. Agoujil, "Routage DTN : Modélisation d'inter-contact du protocole RAPID", *Quatrième Conférence Internationale de la SM2A*, 12-14 Février, Oujda-MAROC, 2015.
- 7 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajjar, "Optimizing Latency in DTN Networks with Model BELER", *The International Conference on Wireless Technologies embedded and intelligent Systems (WITS'15)*, 29-30 April, ENSA of Fez, Morocco, 2015.
- 8 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajjar, "Improving the Data Delivery in DTN Networks with Model BLER", *The Second international Conference on Business Intelligence (CBI'15)*, April 23-25, FST BéniMellal, Morocco, 2015.
- 9 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajjar, "Analyse Stochastique des Réseaux DTN", *7^{ème} colloque sur les Tendances des Applications en Mathématiques Tunisie Algérie (TAMTAM)*, 04 - 08 Mai, Tanger Maroc, 2015.
- 10 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajjar, "Optimisation du Taux de livraison de Routage DTN : Protocole RAPID", *TELECOM 2015 & 9^{ème} JFMMA*, 13 - 15 Mai, Meknès, Maroc, 2015.
- 11 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajar, Y. Qaraai, "Optimal cluster Head in DTN Routing Hierarchical Topology (DRHT)", *2^{ème} Edition des Journées Doctorales Sciences et Techniques*, 14-16 Avril 2016, Errachidia, Maroc, 2016.
- 12 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajar, Y. Qaraai, "Amélioration de Routage DTN : Protocole RAPID", *2^{ème} Edition des Journées Doctorales*, 26-28 Mars 2015, FST Beni Mellal, Maroc, 2015.
- 13 **El Arbi Abdellaoui Alaoui**, S. Agoujil, M. Hajar, "Le routage dans les réseaux DTN : Étude l'impact d'énergie sur les nœuds d'un réseau DTN", *1er Édition des Journées Doctorales Sciences et Techniques*, 10-11 Juin 2014, FST Beni Mellal, Maroc, 2014.

Skills

Languages	📌 Arabic, French, English
Coding	📌 Java, PHP, Python, R, SQL, XML/XSL, L ^A T _E X, ...
Databases	📌 MySQL, PostgreSQL, HSQL, SQLite, LotusNotes.
Web Dev	📌 HTML, CSS, JavaScript, Apache Web Server, Tomcat Web Server.
Misc.	📌 Academic research, teaching, training, consultation, L ^A T _E X typesetting and publishing.

Other research and academic services




Academic services

- 2002 📌 **Merit Award**, Random Training Course held at Secret Location.
- 2001 📌 **Department Prize for Outstanding Student Performance**, Unseen University.

Research services

- 2024 📌 **Chair Main of . the 7th International Conference on Networking, Intelligent Systems & Security (NISS 2024)** <https://www.medi-ast.org/niss24/>

Other research and academic services (continued)

- 2021  **Guest Editor of** . *Emerging Data- and Policy-driven Approaches for African Cities Challenges - Data and Policy Journal* <https://www.cambridge.org/core/journals/data-and-policy/announcements/call-for-papers/call-for-papers-emerging-data-and-policy-driven-approaches-for-african-cities-challenges>
- Since 2016 - until now  **Chair Main of** . *the 2nd International Conference on MACHINE LEARNING APPLICATIONS 2021 (MLA 2021)* <https://medi-ast.org/MLA2021/>
-  **Reviewer in.**
- City and Environment Interactions (Elsivier)
 - Information Fusion (Elsivier)
 - Sustainable Cities and Society (Elsivier)
 - Sustainable Computing: Informatics and Systems (Elsivier)

References

Available on Request