

Khedidja MEDANI

Address: Ouled Brahem City N° 345 Setif 19000, Algeria

Tel.: (mobile) +213 6 56 05 45 00

E-mail: k.medani@univ-setif2.dz / khadidja-medani@hotmail.fr

Date of birth: 12-01-1990 Setif



Ph. D. in computer science

Number of citations: 54

h-index:5

Employment

- 2023**
- Instructor during new Ph. D. students training (TIC)
 - Tutor at Ferhat Abbas University of Setif1, Setif, Algeria (course: distributed applications construction, 2nd year master of computer science).
- June 2021 - Present** Associate professor at Mohamed Lamine Debaghine University, Setif -2, Setif, Algeria.
- February 2020 - June 2021** Assistant professor at Mohamed Lamine Debaghine University, Setif -2, Setif, Algeria.
- 2020-2021** Tutor at Ferhat Abbas University of Setif-1, Setif. Faculty of sciences. Course: Machine Structure (SM) 1st year of MI.
- 2019-2020** Tutor at Ferhat Abbas University of Setif-1, Setif. Faculty of sciences. Course: Machine Structure (SM) 1st year of MI.
- 2018-2019** Tutor at Ferhat Abbas University of Setif-1, Setif. Faculty of sciences. Course: - Linux & C++ programming (1st year master of physique).
- Machine Structure (SM) 1st year of MI.
- 2017-2018** Tutor at Ferhat Abbas University of Setif-1, Setif. Faculty of sciences. Courses: - Data structure & programming.
- Machine Structure (SM) 1st year of MI.
- 2016-2017** Tutor at Ferhat Abbas University of Setif-1, Setif. Faculty of sciences. Course: Computer science (Fortran programming).
- 2015-2016** Tutor at Ferhat Abbas University of Setif-1, Setif. Faculty of sciences. Courses: - Numerical methods & Programming (C language).
- Algorithms & data structure (C++).
- Computer science (Fortran programming).
- 2014 – 2015** Tutor at Ferhat Abbas University of Setif-1, Setif. Faculty of sciences. Course: Numerical methods & Programming (C language).
- February 2013** - IT Engineer at E.MI.V.A.R Enterprise, Sétif, Algeria.
March 2015

Publications et conferences

Journal papers

- 2023** GHERBI, Chirihane, SENOUCI, Oussama, HARBI, Yasmine, *et al.* A systematic literature review of machine learning applications in IoT. *International Journal of Communication Systems*, **2023**, p. e5500.
- 2023** HARBI, Yasmine, MEDANI, Khedidja, GHERBI, Chirihane, *et al.* A Systematic Literature Review of Blockchain Technology for Internet of Drones Security. *Arabian Journal for Science and Engineering*, **2023**, vol. 48, no 2, p. 1053-1074.
- 2017** MEDANI, Khedidja, ALIOUAT, Makhlof, *et* ALIOUAT, Zibouda. Fault tolerant time synchronization using offsets table robust broadcasting protocol for vehicular ad hoc networks. *AEU-International Journal of Electronics and Communications*, **2017**, vol. 81, p. 192-204

Book chapter

- 2020** HERBADJI, Anis, GOUMIDI, Hadjer, HARBI, Yasmine, *et al.* Blockchain for internet of vehicles security. *Blockchain for Cybersecurity and Privacy: Architectures, Challenges, and Applications*, **2020**, vol. 159.

Conferences

- 2023** NACEF, Assala, MEDANI, Khadidja, et ALIOUAT, Zibouda. Energy Efficient Bio-Inspired Clustering in Flying Ad-Hoc Network. In: **2023 International Conference on Networking and Advanced Systems (ICNAS). IEEE, 2023.** p. 1-6.
- 2023** HAMANI, Aymen, CHERIF, Abderrahmane Meziane, MEDANI, Khedidja, et al. Area Coverage Aware Approach for Data Communication in UAVs Networks. In: **2023 International Conference on Networking and Advanced Systems (ICNAS). IEEE, 2023.** p. 1-7
- 2022** ALIOUAT, Zibouda, ALIOUAT, Lina, MEDANI, Khedidja, et al. Temporal Requirements Aware Based Communication Protocol for Wireless Sensor Networks. In: **2022 IEEE 13th Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON). IEEE, 2022.** p. 0463-0468.
- 2021** MEDANI, Khedidja, GUEMER, Housseem, ALIOUAT, Zibouda, et al. Area division cluster-based algorithm for data collection over UAV networks. In: **2021 IEEE International Conference on Electro Information Technology (EIT). IEEE, 2021.** p. 309-315.
- 2018** MEDANI, Khedidja, ALIOUAT, Makhlof, et ALIOUAT, Zibouda. Impact of Clustering Stability on the Improvement of Time Synchronization in VANETs. In: **IFIP International Conference on Computational Intelligence and Its Applications. Springer, 2018.** p. 472
- 2015** MEDANI, Khedidja, ALIOUAT, Makhlof, et ALIOUAT, Zibouda. High Velocity Aware Clocks Synchronization Approach in Vehicular Ad Hoc Networks. In: **IFIP International Conference on Computer Science and its Applications_x000D_. Springer International Publishing, 2015.** p. 479-490.

Projects

- 2023 – Present** **Paradigme de l'intelligence artificielle pour la Qualité de Service dans l'Internet de Tous (IoE).** Project code : C00L07UN190120230003. **PRFU (National Project)**
▷ Status: member
- 2024 – Present** **Paradigme de l'Intelligence Artificielle Distribuée pour les Réseaux IoT.** N°: 51361UE. **Tassili (International Project)**
▷ Status: member

Education

- 2018** **Ph. D. defense date 17/07/2018**
Ferhat Abbas University of Setif1, Sétif, Algeria
Doctorate 3rd cycle LMD
▷ *Thesis entitled: Réseaux de capteurs sans fil véhiculaires sûrs de fonctionnement.*
- 2010 – 2012** **Master in Computer science**
Ferhat Abbas University of Setif1, Sétif, Algeria
▷ *Theme: Synchronisation des horloges dans les réseaux Ad Hoc Véhiculaires (VANETs)*
- 2007 – 2010** **Bachelor in computer science**
Ferhat Abbas University of Setif1, Sétif, Algeria
▷ *Theme: Indexation d'une base de données électronique.*

Skills

Tools programming languages and C/C++, JAVA, SQL, Python, ns3, Latex.

OS Linux (ubuntu), Ms Windows.

Others

Languages Arabic, English, French.

Last update: 08/05/2024