

**Short Resume of Dr. Ridha Ouni,
Professor (Ph.D – Computer Engineering)**

Personal Information

Name: Ridha Ouni
Date of birth: 01/10/1972
Place of birth: Sidi-Bouزيد, Tunisia
Nationality: Tunisian
Status: Married

Contact Information

Current Address: Computer Engineering
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Current Position

**Professor, Computer Engineering Department, College of Computer and Information Sciences,
KSU**

Google Scholar ID

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EDUCATION

- **HU. Habilitation Universitaire – Micro-electronic & communication**, Faculty of Sciences of Monastir, Tunisia (June 2015).
Title. Mobility, resource and QoS management in mobile and wireless sensor networks.
- **Ph.D. Electronics and communication networks**, Faculty of Sciences of Monastir, Tunisia (Feb 2002) with very Honourable distinction.
Ph.D title: Design of an interfacing system for adaptation of communication protocols between heterogeneous networks: Application for an Ethernet-ATM gateway.
- **D.E.A (Diplôme d'Etudes Approfondies / Master):** materials and devices for electronics with a “fair distinction”, Faculty of Sciences of Monastir (July 1997).
Title: Implementation of a module for control and management of data link protocols.
- **Ms Science:** Physics and microelectronics, with “fairly good distinction”, Faculty of Sciences of Monastir (1995).
- **Baccalaureate:** Experimental Sciences, Jelma Secondary School, Sidi-Bouزيد, Tunisia (1991).

RESEARCH EXPERIENCE

Specialization field

Machine learning in networking, IoT, Mobile and wireless networks, Wireless Sensor Networks (WSNs), QoS based performances evaluation, Hardwired protocols, crowd management.

Major Field

Advanced Networking, Artificial Intelligence.

CURRICULUM

1. Academic Positions

• June 2024 – Present	Professor, College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia.
• Dec. 2012 – June 2024	Associate Professor, College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia.
• Feb. 2009 – Dec. 2012	Assistant Professor, College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia.
• 26/5/2002 – Jan 2009	Assistant Professor, institut Préparatoire aux Etudes d'Ingénieurs de Monastir, Université Monastir, Tunisie.
• 13/9/1999 – 25/5/2002	Lecturer, Institut Préparatoire aux Etudes d'Ingénieurs de Monastir, Tunisie.
• 1/10/1997 – 12/9/1999	Ph.D student & Lecturer, Département de Physique, Faculté des Sciences de Monastir, Tunisie.

2. Administrative tasks & Research projects achieved

• 2009 – Present	Member in several committees, department of Computer engineering, College of Computer and Information Sciences, King Saud University (KSU). • Graduate study committee, • Practical training committee, • Self-evaluation committee, • Accreditation committee.
• 2013 – 2014	Research Project, research center of the “College of Computer and Information Sciences”, KSU, title: <i>Enhanced multi-hop LEACH-based clustering protocol for energy efficiency in WSNs.</i>
• 2012 – 2014	Research Project, KACST (King AbdulAziz City for Science and Technology), Title: <i>Adaptive Thresholding CFAR Signal Detection for Wireless Wideband Communication Systems Using Smart Antennas/Antenna Diversity.</i>
• 2012 – 2013	Research Project, research center of the “College of Computer and Information Sciences”, KSU, title: <i>Traffic differentiation and scheduling for QoS support in vehicular sensor networks (VSN).</i>
• 2011 – 2012	Research Project, research center of the “College of Computer and Information Sciences”, KSU, title: <i>Dynamic slot assignment protocol for QoS support on TDMA-based mobile networks.</i>
• 2007 – 2008	Projet de coopération MIRA entre la Faculté des Sciences de Monastir et l'INPG, Grenoble, France. Title: <i>Gestion optimale de ressources et intégration de services a contrainte multiple dans les systèmes distribués : Application pour les réseaux sans fil et embarques.</i>
• 2007 – 2009	Projet de coopération entre la Faculté des sciences de Monastir (Tunisie) et l'Université de Séville, Espagne. Title: <i>implémentation Hardware d'algorithmes de compression et transmission d'image dans les réseaux de capteurs sans fil.</i>

• 2007 – 2008	Projet de coopération entre la Faculté des Sciences de Monastir (Tunisie) et l'université Nancy 1, France. Title: <i>Etude et spécification du routage des métriques de QoS dans les systèmes temps réel: Application pour les réseaux sans fil et les réseaux sur puce (NoC).</i>
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3. Service Activities

Academic Plans Committee, Department of Computer Engineering, College of Computer and Information Sciences, King Saud University.	2019 to date.
Graduate Studies Committee, Department of Computer Engineering, College of Computer and Information Sciences, King Saud University.	2009 to 2012
NCAAA Committee member, Department of Computer Engineering, College of Computer and Information Sciences, King Saud University.	2013 to 2019
Member Department Council , Department of Computer Engineering, College of Computer and Information Sciences, King Saud University.	2009 to date
Reviewer for Journals - Computers Standards & Interfaces, IEEE Access, Journal of Circuits, Systems, and Computers, ICT Express, Computers and Electrical Engineering, Sustainable Computing: Informatics and Systems, Int. Journal of Distributed Sensor Networks.	2002 to date.
Committee Member in the KSU Student Symposium .	2014 to 2021.

4. Thesis Supervision

Ph.D thesis

1. Tayssir Fekih, Title: Electrocardiogram heartbeat classification based on a deep convolutional neural network and focal loss, 2021.
2. Jihed Khasskhousi, Title: Energy optimization in wireless sensor networks, 2016.
3. Monji Zaidi, Title: Study and development of mobility and QoS management models in time-constrained WLAN networks, 2012.
4. Jamila Bhar, Title: Flow and congestion control and mobility management in a wireless ATM network, 2010.

Master thesis

1. Wafa AlHarthi, Title: Internet traffic classification using machine learning, 2024.
2. Sulaiman Alwabisi, Title: Using machine learning and SDN to detect and mitigate DDoS attacks in fiber-optic networks, 2022.
3. Nourah Alkharshi, Title: Crowd Density Classification Using Convolutional Neural Network, 2021
4. Areej Khursheed, Title: Deep learning methodologies for efficient classification of short-time single-lead ECG signals, 2020
5. Mustafa Qamhan, Title: Designing First-Order Controller for AQM Routers Supporting TCP Flows, 2015
6. Sara Alsodairi, Title: Enhanced multi-hop LEACH-based clustering protocol for energy efficiency in WSNs, 2014
7. Thamer Alainizi, Title: Traffic differentiation and scheduling for QoS support in vehicular sensor networks, 2014
8. 7 other MS thesis supervised in both King Saud University (KSA) and University of Monastir (Tunisia).

5. ISI Journals – Thomson Reuters

1. Kashif Saleem, Farouk Zinou, Farah Mohammad, **Ridha Ouni**, Ahmed Z. Elhendi, Jalal Al-Muhtadi, End-to-End Security enabled Intelligent Remote IoT Monitoring System, **2024** *Frontiers in Physics*, Vol 12 <https://doi.org/10.3389/fphy.2024.1357209>, <https://www.frontiersin.org/articles/10.3389/fphy.2024.1357209/abstract>
2. **Ridha Ouni**, Kashif Saleem. Secure smart home architecture for ambient-assisted living using a multimedia Internet of Things based system in smart cities. *Mathematical Biosciences and Engineering*, **2024**, 21(3): 3473-3497. doi: <https://doi.org/10.3934/mbe.2024153>. <https://www.aimspress.com/article/doi/10.3934/mbe.2024153>
3. **Ridha Ouni**, Maazen Alsabaan, An Adaptive Contention Window-Based MAC Protocol for Mobile Sensor Networks, *Ad Hoc & Sensor Wireless Networks journal*, Sept. 2023, Vol57, N3-4. DOI: <https://doi.org/10.32908/ahsw.v57.10525>. <https://www.oldcitypublishing.com/journals/ahsw-home/ahsw-issue-contents/ahsw-volume-57-number-3-4-2023/21695-2/>
4. Rowida Alharbi, Haikel Alhichri, **Ridha Ouni**, Yakoub Bazi & Maazen Alsabaan (2023), Improving remote sensing scene classification using quality-based data augmentation, *International Journal of Remote Sensing*, 44:6, 1749-1765, DOI: <https://doi.org/10.1080/01431161.2023.2184213> <https://www.tandfonline.com/doi/full/10.1080/01431161.2023.2184213>
5. S. Alwabisi, **Ridha Ouni**, K. Saleem, Using Machine Learning and Software-Defined Networking to Detect and Mitigate DDoS Attacks in Fiber-Optic Networks. *Electronics* **2022**, 11, 4065. <https://doi.org/10.3390/electronics11234065>. https://www.mdpi.com/2079-9292/11/23/4065/review_report
6. **Ridha Ouni** and Kashif Saleem. **2022**. "Framework for Sustainable Wireless Sensor Network Based Environmental Monitoring" *Sustainability* 14, no. 14: 8356. <https://doi.org/10.3390/su14148356>. <https://www.mdpi.com/2071-1050/14/14/8356>
7. A. Alashban, A. Alsadan, N. F. Alhussainan and **Ridha Ouni**, "Single Convolutional Neural Network With Three Layers Model for Crowd Density Estimation," in *IEEE Access*, vol. 10, pp. 63823-63833, **2022**, doi: <https://doi.org/10.1109/ACCESS.2022.3180738>. <https://ieeexplore.ieee.org/document/9791251>
8. Taissir Fekih Romdhane, Haikel Alhichri, **Ridha Ouni**, Mohamed Atri, Electrocardiogram heartbeat classification based on a deep convolutional neural network and focal loss, *Computers in Biology and Medicine*, Volume 123, August **2020**, 103866. <https://doi.org/10.1016/j.combiomed.2020.103866>. <https://www.sciencedirect.com/science/article/pii/S0010482520302237>
9. **Ridha Ouni**, M. Zaidi, M. Alsabaan, W. Abdul and A. Alasaad, "Mobile geolocation techniques for indoor environment monitoring," *KSII Transactions on Internet and Information Systems*, vol. 14, no. 3, pp. 1337-1362, **2020**. DOI: <https://doi.org/10.3837/tiis.2020.03.023>. <http://itiis.org/digital-library/23402>
10. Sara Al-Sodairi, **Ridha Ouni**, Reliable and energy-efficient multi-hop LEACH-based clustering protocol for wireless sensor networks, *Sustainable Computing: Informatics and Systems*, Vol 20 (2018), pp. 1–13. <https://www.sciencedirect.com/science/article/abs/pii/S2210537916300373>
11. **Ridha Ouni**, Monji Zaidi, EToA: New 2D geolocation-based handover decision technique, *ICT Express - Special Issue on Positioning Techniques and Applications*, Volume 2, Issue 1, March **2016**, pages 28-32. (ISSN: 2405-9595). <http://www.sciencedirect.com/science/article/pii/S2405959515300722>
12. Thamer Al-Anazi, Mohammad Zouheir Hourani, **Ridha Ouni**, Highly scalable and efficient scheduler for VSN based on DiffServ guarantees, *Science International Journal (Lahore)*, V28 (2), pp 973-980, **2016**. (ISSN: 1013-5316). <http://www.sci-int.com/pdf/2621145671%20a%20973-980%20%20Thamer%20Al-Anazi--COMP--KSA--RIDA--PENDING.pdf>
13. **Ridha Ouni**, Abdullah AlDhelaan, Rafik Louati, Enhanced AODV routing protocol for energy-efficiency in wireless sensor networks, *Journal of Circuits, Systems, and Computers (JCSC)*, Vol. 23, No. 7 (**2014**) (19 pages). (ISSN: 0218-1266). <http://www.worldscientific.com/doi/pdf/10.1142/S021812661450100X>
14. **Ridha Ouni**, Jamila Bhar and Kholdoun Torki, A new scheduling protocol design based on deficit weighted round robin for QoS support in IP networks, *Journal of Circuits, Systems, and Computers*, Vol. 22, No. 3 (**2013**) (21 pages). (ISSN: 0218-1266) <http://www.worldscientific.com/doi/pdf/10.1142/S0218126613500126>
15. **Ridha Ouni**, Dynamic slot assignment protocol for QoS support on TDMA-based mobile networks, *Computer Standard and Interfaces*, Vol.34, No.1, pp.146-155, **2012**. (ISSN: 0920-5489) <http://www.sciencedirect.com/science/article/pii/S0920548911000778>
16. M. Z. Hourani, **Ridha Ouni**, Efficient data harvesting for inelastic traffic in vehicular sensor networks, *Science international*, 24(1), pp13-19, **2012**. (ISSN: 1013-5316). <http://www.sci-int.com/Search?catid=19>
17. Monji Zaidi, **Ridha Ouni**, Rached Tourki, Wireless propagation channel modeling for optimized handoff algorithms in wireless LANs, *Computer and Electrical Engineering*, Vol 37, (**2011**), pp 941-957. (ISSN: 0045-7906). <https://www.sciencedirect.com/science/article/abs/pii/S0045790611001285>

18. International Journals

1. **R Ouni**, H Alhichri, A Kharshid, Light Weight Residual Convolutional Neural Network for Atrial Fibrillation Detection in Single-lead ECG Recordings, Engineering Journal 28 (2), **2024**, Pages 67-80. <https://engj.org/index.php/ej/article/view/4538>
2. **Ridha Ouni**, Haikel Alhichri, Cross-dataset domain adaptation for the classification COVID-19 using chest computed tomography images, **2023**, [arXiv:2311.08524](https://arxiv.org/abs/2311.08524).
3. Fekih Romdhane, T., **Ouni, R.** Electrocardiogram Analysis Using Discrete Wavelet Transform for Anomalies Detection. SN COMPUT. SCI. 4, 348 (**2023**). <https://doi.org/10.1007/s42979-023-01792-3>
4. Taissir Fekih Romdhane, **Ridha Ouni** and Mohamed Atri, Analysis and Classification Techniques of ECG Signals: Survey, Test Engineering and Management, May-June **2020**, Pages 24275 – 24291. <https://www.testmagazine.biz/index.php/testmagazine/article/view/12137>
5. Jihed Khaskhoussi, **Ridha Ouni**, Abdellatif Mtibaa, Enhanced routing based on graph split for multiservice WSNs, Journal of Theoretical and Applied Information Technology, April **2016**. Vol.86. No.3, pages 432-439. (ISSN: 1992-8645). <http://www.jatit.org/volumes/Vol86No3/12Vol86No3.pdf>
6. Sara Al-Sodairi, **Ridha Ouni**, Enhanced Multi-Hop LEACH-Based Clustering Protocol for Energy Efficiency in WSNs, Information Technology Journal 12 (13): 2617-2620, **2013** (ISSN 1812-5638). <http://scialert.net/qredirect.php?doi=itj.2013.2617.2620&linkid=pdf>
7. **Ridha Ouni**, Graph splitting based self-organization approach for energy and routing optimization, International Journal of Digital Information and Wireless Communications (IJDWC) 1(3): pp 738-744, **2012**. (ISSN: 2412-6551) <http://sdiwc.net/digital-library/graph-splitting-based-selforganization-approach-for-energy-and-routing-optimization.html>
8. Jamila Bhar, **Ridha Ouni**, Monji Zaidi, Salem Nasri, A new TDMA-CR model for dynamic resource allocation in wireless networks, IJCSSES International Journal of Computer Sciences and Engineering Systems, Vol.4, No.1, January **2010**. (ISSN: 0973-4406. ([volume removed from the journal server](#)))
9. Monji Zaidi, **Ridha Ouni**, Jamila Bhar, Rached Tourki, New approaches reducing handoff latency in 802.11 wireless LANs, IJCSSES International Journal of Computer Sciences and Engineering Systems, Vol.3, No.3, July **2009**. ([volume removed from the journal server](#))
10. Monji Zaidi, **Ridha Ouni**, Kholdoun Torki and Rached Tourki, Low power ASIC designs for fast Handoff in IEEE802.11, International Journal of Computers, Systems and Signals, Vol. 10, No.1, pp 27-39, **2009**. (ISSN: 1608-5655). ([volume removed from the journal server](#))
11. Jamila Bhar, **Ridha Ouni**, Abdelhamid Helali, Salem Nasri, Evaluation of Handover protocols in Wireless ATM networks, Information Technology Journal (Asian Network for Scientific Information), Vol 6, N°2, pp 275-282, **2007**. (ISSN: 1812-5638) <http://docsdrive.com/pdfs/ansinet/itj/2007/275-282.pdf>
12. Jamila Bhar, **Ridha Ouni**, Kholdoun Torki, Salem Nasri, Handovers strategies challenges in wireless ATM networks, International Journal of Applied Mathematics and Computer Sciences, Vol°1, N°2, pp°636-641, April°**2007**. (ISSN: 1305-5313 Scopus indexed). <https://zenodo.org/records/1072080>

13. International Conferences

1. Taissir F. Romdhane, **Ridha Ouni**, Haikel Hichri, Enhanced balancing with integrated resampling cascade and advanced analysis of 'seizureDetect' dataset key features, 28th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2024), Procedia Computer Science 246 (**2024**), 11 to 13 Sept, Sevilla – Spain, 58–68. <https://www.sciencedirect.com/science/article/pii/S1877050924022476>
2. **Ridha Ouni**, Kashif Saleem, Kholoud Alkayid, R Web Radio Design and Online Tuner using Bluetooth-based Mobile Devices, Casablanca, Morocco, October 20 – 23, **2024**.
3. R. Ouni, K. Saleem, M. Mohammad and A. Gawanmeh, "Equal Transmission Power based Energy Efficient Wireless Sensor Networks for Industry 5.0," 2024 7th International Conference on Electrical Engineering and Green Energy (CEEGE), Los Angeles, CA, USA, **2024**, pp. 199-205, doi: 10.1109/CEEGE62093.2024.10744138. <https://ieeexplore.ieee.org/document/10744138>
4. K. Saleem, A. A. Alajroosh, **R. Ouni**, W. Mansoor and A. Gawanmeh, "Smart and Secure IoT based Remote Real-Time Radiation Detection and Measurement System," 2023 1st International Conference on Advanced Innovations in Smart Cities (ICAISC), Jeddah, Saudi Arabia, **2023**, pp. 1-5, doi: 10.1109/ICAISC56366.2023.10085583. <https://ieeexplore.ieee.org/document/10085583>
5. Wafaa Alharthi, **Ridha Ouni**, Kashif Saleem "The Effect of Convolutional Neural Network Layers on Payload-Based Traffic Classification", 6th International Workshop on Security and Reliability of eHealth Information Systems (S&REHIS 2022), Genoa, Italy, 21 Dec, 978-1-6654-8016-1/22/\$31.00 ©2022 IEEE. <https://ieeexplore.ieee.org/document/9982767>

6. Kashif Saleem, Faisal Yousef Alfariheedi, **Ridha Ouni**, J Al-Muhtadi, "Cellular IoT based Secure Monitoring System for Smart Environments", 6th International Workshop on Security and Reliability of eHealth Information Systems (S&REHIS 2022), Genoa, **Italy**, 21 Dec 978-1-6654-8016-1/22/\$31.00 ©2022 IEEE. <https://ieeexplore.ieee.org/document/9982776>
7. Taissir Fekih Romdhane, **Ridha Ouni**, Mohamed Atri, "Multi-database ECG signal processing", International Conference on Advanced Technologies for Signal & Image Processing (ATSIP'2020), **Sousse - Tunisia**, March 2020. <https://ieeexplore.ieee.org/document/9231880>
8. Areej Kharshid, Haikel S. Alhichri, Ridha Ouni, Yakoub Bazi, Classification of Short-time Single-lead ECG Recordings Using Deep Residual CNN, 2019 2nd International Conference on new Trends in Computing Sciences (ICTCS), 9-11 Oct. 2019, **Amman**, Jordan, DOI: 10.1109/ICTCS.2019.8923079. <https://ieeexplore.ieee.org/abstract/document/8923079>
9. Suheer Al-Hadhrami, Sarah Altuwaijri, Norah Alkharashi, **Ridha Ouni**, Deep Classification Technique for Density Counting, 2019 2nd International Conference on Computer Applications & Information Security (ICCAIS), 1-3 May 2019 **Riyadh KSA**, DOI: 10.1109/CAIS.2019.8769489. <https://ieeexplore.ieee.org/abstract/document/8769489>
10. Taissir Fekih Romdhane, **Ridha Ouni** and Mohamed Atri, Analysis and Classification Techniques of ECG Signals: Survey, 9th International Conference on Research in Engineering, Science and Technology RESTCONF, France, **Paris**, April 2019. <https://www.dpublication.com/abstract-of-9th-rest/4-rest-o-119/>
11. Thamer Alanazi, **Ridha Ouni**, Traffic Differentiation and Scheduling for QoS support in Vehicular Sensor Networks, IEEE International Conference on Technological Advances in Electrical, Electronics and Computer Engineering (TAECE), **Turkey**, 2013 (ISBN: 978-1-4673-5611-4). <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=6557191>
12. Sara Al-Sodairi, **Ridha Ouni**, Enhanced Multi-Hop LEACH-Based Clustering Protocol for Energy Efficiency in WSNs, The 1st ScienceOne International Conference on Information Technology (ICIT2013), **Dubai, UAE**, Feb 6-7, 2013.
13. Jihed Khaskhoussi, **Ridha Ouni**, Enhanced-MPR-CDS approach for self-organization and routing in WSNs, 1st Taibah University International Conference on Computing and Information Technology, **Al-Madinah Al-Munawwarah**, Saudi Arabia, 19-21 Rabi II 1433 Hijri (12-14 March 2012). Monji Zaidi, **Ridha Ouni**, Jamila Bhar and Rached Tourki, A novel positioning technique with low complexity in wireless LAN: hardware implementation, Proceedings of the World Congress on Engineering, Vol II, July 6-8, 2011, **London, U.K** (ISSN: 2078-0966). http://www.iaeng.org/publication/WCE2011/WCE2011_pp1806-1812.pdf
14. Monji ZAIDI, Jamila BHAR, **Ridha OUNI** and Rached TOURKI. Reducing Wi-Fi handover delay using a new positioning process, International Conference on Communications, Computing and Control Applications (CCCA), Hammamet, pp.1-6, 2011 (ISBN.978-1-4244-9795-9). <https://ieeexplore.ieee.org/document/6031469>
15. M. Z. Hourani, **R. Ouni**, N. Hussain, Novel Data Harvesting Scheme for Efficient Data Aggregation, ICW2941, WORLDCOMP'11, **USA**. 2011. <http://world-comp.org/p2011/ICW2941.pdf>
16. Monji ZAIDI, Rached TOURKI, **Ridha OUNI**, New geometric Approach to Mobile Position in wireless LAN reducing complex computations, International Conference on Design & Technology of Integrated Systems in Nanoscale Era, pp. 1-7, 2010. <https://ieeexplore.ieee.org/document/5487566>
17. Jamila BHAR, **Ridha OUNI**, Salem NASRI, Performance evaluation of compensation-reward mechanism for resource allocation in wireless networks, The 15th IEEE International Conference on Electronics, Circuits, and Systems, **Malta** 31st August to 3rd September 2008, pp 1195-1200. <https://ieeexplore.ieee.org/document/4675073>
18. Jamila BHAR, Mongi ZAIDI, **Ridha OUNI**, Salem NASRI, Performance Evaluation of Fuzzy Controller for Traffic Stabilization, International Conference on Signals, Circuits & Systems (SCS'08) November 7-9, 2008, Hammamet (**Tunisie**). <https://ieeexplore.ieee.org/document/4746876?denied=>
19. Mongi ZAIDI, Jamila BHAR, **Ridha OUNI**, Rached TOURKI, A new solutions for micro-mobility management in 802.11 Wireless LANs using FPGA, International Conference on Signals, Circuits & Systems (SCS'08) November 7-9, 2008 Hammamet. <https://ieeexplore.ieee.org/document/4746909>
20. Jamila BHAR, **Ridha OUNI** and Salem NASRI, Interopérabilité Ethernet/WATM, International Conference: Sciences of Electronic, Technologies of Information and Telecommunications, **Tunisie**, March 15-20, 2004. https://scholar.google.com/citations?view_op=view_citation&hl=fr&user=ZRGXU6kAAAAJ&cstart=20&citation_for_view=ZRGXU6kAAAAJ:WF5omc3nYNoC
21. Jamila BHAR, **Ridha OUNI**, Abdelhamid HELALI, Salem NASRI, Improvements of the ABR loop performances in a wireless ATM network, International Conference on Microelectronic, IEEE Conference, Gammarth, **Tunisie**, Dec 2004. <https://ieeexplore.ieee.org/abstract/document/1434271>

14. Supervision

Since 2002 until now, I have participated in the supervision of several research projects within the framework of doctoral thesis, research master's degree and final engineering studies project. As a result, I supervised 4 Ph.D theses (defended), 15 research Masters and 11 engineering graduation projects (21 students).

15. Training

Title: *LMS – Learning Management System*

Venue: E-Learning Unit, College of Computer and Information Sciences, King Saud University.

Date: 15 / 09 / 2012.

Title: *Applications in Learning technologies*

Venue: King Saud University

Date: 9 to 10 May 2011.

Title: *Integration of information and communication technology in university teaching*

Venue: King Saud University

Date: 3 to 5 April 2010.