

Curriculum Vitae

Sabeur ELKOSANTINI, Eng, Ph.D., H.D.R.

Associate Professor in computer science,
Oracle Certified Professional, Java SE 6 Programmer
Distinguished Researcher Award, CoE, KSU, 2015 and 2018

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Nationality : Tunisian / French



1. Education background

- 2019 **Qualified to University professor positions in French CNU sections 27 (informatique) and 61 (Génie informatique, Automatique et Traitement du Signal)**
- 2018 **Accreditation to supervise PhD students (Habilitation à Diriger les Recherches) in computer science**
University of Lyon 2, France
- 2004 - 2007 **Ph.D. in Computer Sciences**
University of Blaise Pascal, Clermont-Ferrand, France.
- 2003 - 2004 **M.Sc. in Computer Sciences**
University of Lyon 2, France.
- 2000 - 2003 **Engineering degree in Computer Sciences**
National School of Engineering, Sfax (ENIS), Tunisia.

2. Professional Experience

- Since 2020 **Associate Professor in Computer Science**
Faculté des Sciences Economiques et de Gestion de Nabeul
Nabeul, Tunisia
- 2018 - 2019 **Assistant Professor in Computer Science**
Higher Institute of Computer Science - ISIMa
Mahdia, Tunisia
- 2014 - 2018 **Assistant professor in computer science**
College of Engineering, King Saud University
Riyadh, KSA

- 2008 – 2014 **Assistant Professor in Computer Science**
Higher Institute of Computer Science – ISIMa
Mahdia, Tunisia
- 2007 - 2008 **Associate Researcher/Teacher**
French Institute for Advanced Mechanical Engineering – IFMA
Clermont-Ferrand, France
- 2004 – 2007 **Teaching and research assistant**
University of Lyon 2
Lyon, France

3. Teaching experience

I was the coordinator of the following courses:

- Distributed systems
- Algorithms analysis and design
- Object oriented programming (level I) with C++/C#
- Object oriented programming (levels I and II) with Java
- JEE architectures and technologies
- Web development and programming (Java and PHP)
- Advanced programming and complexity
- Artificial Intelligence
- Structured and object oriented programming
- Design and development of information systems
- Industrial Information Systems
- Industrial systems simulation

4. Administrative duties/responsibilities

- Member of the quality committee in IE department KSU (2015- until now). I was in charge to conduct the following tasks using ITQAN, the KSU e-QMS (Quality Management System) platform:
 - Evaluate IE program's KPI.
 - Update KPIs
 - Generate NCAAA different reports
- Member of the ABET and NCAAA accreditation committee in IE department KSU (2015- until now). I was in charge to conduct the following tasks:
 - For ABET:
 - Write the chapter related to the ABET 3rd criteria: Student outcomes
 - Direct and indirect assessment evaluation and result analysis
 - Revise the overall ABET Self Study Report
 - Insure that the department website fit ABET requirements
 - For NCAAA:
 - Update NCAAA KPIs
 - Answer to some recommendations of the NCAAA reviewers and update some internal procedures (related to data collection and analysis)
- Coordinator of Statistic and IT committee in IE department KSU (2014- until now)
- Member of Training, Alumni and employment committee (2014- until now)
- Academic dean and vice-director at ISIMa (2011-2014). My main achievements were:
 - New Bachelor program in Information technology
 - New Bachelor program in networks and services administration
 - Preparing a new joint degree program in computer science (involving university of Monastir, Tunisia, and University of Lyon 1, France)

- New evaluation procedure of graduation projects
- E-learning coordinator (2009-2013)
- President of recruitment commission (2009-2013)
- President of the committee of education quality at ISIMa (2011--2014)
- Member of the scientific council in ISIMA (S2011--2014)
- Coordinator in the department of computer sciences (2009-2011)
- Member of the scientific council of the department GOMFi in the Institute of Technology of the University of Lyon 2, France (2006 - 2007).

5. Publications

a) Referred Journals

- Rekik, **S. Elkosantini** and H. Chabchoub, A multi agent system for the online container stacking in seaport terminals, *Journal of computational science, Volume 35, Pages 12-24, 2019 (web of science, Impact Factor : 2,502)*
- Mabkhot M, Kouki Amri S., Darmoul S., Alsamhan A., **Elkosantini S.**, An ontology-based multi-criteria decision support system to reconfigure manufacturing systems, *IISE Transactions*, 2019, (web of science, Impact Factor: 1,759, in press)
- Mnif S., **Elkosantini S.**, Darmoul S., Ben Said L., An immune network based distributed architecture to control public transportation systems, *Swarm and Evolutionary Computation, Vol 50, 2019, (web of science, Impact Factor : 6,330, in press)*
- Rekik, **S. Elkosantini** and H. Chabchoub, A case based heuristic for container stacking in seaport terminals, *Advanced Engineering Informatics, 38, pp. 658-669, 2018 (ISI, Impact Factor: 3.358).*
- Mnif, S., Darmoul, **S., Elkosantini, S.**, Ben Said, L. An Immune Multi-Agent System to Monitor and Control Public Bus Transportation Systems, *Computational Intelligence, Volume34, Issue 4, Pages 1245-1276, 2018 (ISI, Impact Factor: 1.352).*
- Louati, A., Elkosantini, S., Darmoul, S., Ben Said, L. Multi-agent preemptive Longest Queue First System to manage the crossing of emergency vehicles at interrupted intersections, *European Transport Research Review, 2018. (web of science, Impact Factor: 1.758, in press).*
- Hidri H., **S. Elkosantini**, M. Mabkhout, Exact and heuristic procedures for the two-center hybrid flow shop scheduling problem with transportation times, *IEEE Access, 2018, pp. 21788 - 21801. (ISI, Impact Factor= 3.557)*
- Louati, A., Darmoul, **S., Elkosantini, S.**, Ben Said, L. An artificial immune network to control Interrupted Flow at Signalized Intersections, *Information Sciences 433-434, pp. 70-95, 2018. (ISI, Impact Factor: 4.305).*
- **Elkosantini S.**, Darmoul S., A new framework for the computer modelling and simulation of car driver behavior, *SIMULATION: Transactions of The Society for Modeling and Simulation International, Vol 94, Issue 12, pp. 1081-1097, 2018 (ISI, Impact Factor: 0.940).*
- Louati, A., **Elkosantini, S.**, Darmoul, S., Ben Said, L. An Immune Memory Inspired Case-Based Reasoning System to Control Interrupted Flow at Signalized Intersections, *Artificial Intelligence Review, 2017 (ISI, Impact Factor: 3.814)*
- Darmoul, S., **Elkosantini, S.**, Louati, A., Ben Said, L., Multi-agent immune networks to control interrupted flow at signalized intersections, *Transportation Research Part C: Emerging Technologies, Volume 82, September 2017, Pages 290-313 (ISI, Impact Factor: 3.968).*
- Ferjani A., H. Pierreval, A. Ammar, **S. Elkosantini**, A simulation-Optimization Based Heuristic to Assign Online Workers Affected by Fatigue in Manufacturing Systems, *Computers & Industrial Engineering, Volume 112, October 2017, Pages 663-674 (ISI, Impact Factor: 3.195).*

- Ben Ayed M., **S. Elkosantini**, An accelerated architecture based on GPU and Multi-Processor design for fingerprint recognition, *International Journal of Advanced Computer Science and Applications*, Volume 7 Issue 3, 2016.
- Gheriani N., **S. Elkosantini**, S. Darmoul, L. Ben Said, Assessment of public transport control systems: a comparative analysis of platforms and a new platform architecture, *International Journal of Shipping and Transport Logistics*, Vol. 8, No. 5, 2016, pp. 509-530 (ISI, Impact Factor: 0.928).
- **Elkosantini S.**, Toward a new generic behavior model for human centered system simulation, *Simulation Modelling Practice and Theory*, volume 52, pp. 108–122, 2015 (ISI, Impact Factor: 2.092).
- **Elkosantini S.** and A. Frikha, Decision fusion for signalized intersection control, *Kybernetes*, volume 44, issue 1, 2015, pp. 57 - 76 (ISI, Impact Factor : 0.980).
- Darmoul S. and **S. Elkosantini**, Artificial Immunity to Control Disturbances in Public Transportation Systems: Concepts, Mechanisms and a Prototype Implementation of a Knowledge Based Decision Support System, *Knowledge-Based Systems*, volume (58), pp. 58-76, 2014 (ISI, Impact Factor: 4.396).
- **Elkosantini S.**, Mnif S., H. Chabchoub, An Adaptive System for Signposted Intersection Control: ASSINC, *Journal of Artificial Intelligence and Soft Computing Research*, Vol 2, No. 1, 2012, pp. 21-29.
- **Elkosantini S.**, D. Gien. Integration of human behavioral aspects in a dynamic model for a manufacturing system. *International Journal of Production Research* 47:10, pp. 2601-2623, 2009. (ISI, Impact Factor : 2.623)

b) Referred Conferences

- S. Mnif, S. Darmoul, **S. Elkosantini**, L. Ben Said, Integration of immune features into a Belief-Desire-Intention model for multi-agent control of public transportation systems, *12th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2017)*, Spain, 2017.
- I. Rekik, **S. Elkosantini** and H. Chabchoub, Integration of case based reasoning in multi-agent system for the real-time container stacking in seaport terminals, *12th International Conference on Hybrid Artificial Intelligent Systems (HAIS 2017)*, Spain, 2017
- I. Rekik, **S. Elkosantini** and H. Chabchoub, A case based reasoning based multi-agent system for the reactive container stacking in seaport terminals, *The International Conference on Computational Science, Switzerland*, 2017.
- A. Ferjani, H. Pierreval, A. Ammar, **S. Elkosantini**, Taking Into Account Workers' Fatigue in Production Tasks: a Combined Simulation Framework, *The 9th Eurosim Congress on Modelling and Simulation*, Finland, 2016
- Al-Qasser, F., Louati, L., Gien, D., **Elkosantini, S.**, Fuzzy Nonlinear Optimization multi objectives Job shop Energy Consumption, *The 6th International Conference on Sustainable Energy Information Technology, Madrid, Spain*, 2016.
- I. Rekik, **S. Elkosantini** and H. Chabchoub, Toward a knowledge based multi-agent architecture for the reactive Container Stacking in Seaport terminals: Application to the port of Sfax in Tunisia, *the 15th International Conference on Artificial Intelligence and Soft Computing*, Poland, 2016.
- S. Mnif, **S. Elkosantini**, S. Darmoul, L. Ben Said, An Immune Memory and Negative Selection based Decision Support System for the Monitoring and Control of Public Transportation Systems, *4th IFAC International Conference on Intelligent Control and Automation Sciences (ICONS 2016)*, France, 2016.
- A. Louati, **S. Elkosantini**, S. Darmoul, L.B. Said, A Case-Based Reasoning System to Control Traffic at Signalized Intersections, *4th IFAC International Conference on Intelligent Control and Automation Sciences (ICONS 2016)*, France, 2016.

- S. Mnif, **S. Elkosantini**, S. Darmoul, L. Ben Said, An immune Multi-Agent Based Decision Support System for the Control of Public Transportation Systems, *14th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS 2016)*, Spain, 2016.
- Al-Qasser, F., Louati, L., Gien, D., **Elkosantini, S.**, Nonlinear Programming CPLEX/ILOG Optimisation Job shop Energy Consumption, *3rd International Conference on Automation, Control Engineering & Computer Science, Hammamet, Tunisia, 2016*.
- Ammar, A., Pierreval, H. and **Elkosantini, S.**, A multiobjective simulation optimization approach to define teams of workers in stochastic production systems, *International conference on Industrial engineering and systems management, Spain, 2015*.
- I. Reikik, **S. Elkosantini** and H. Chabchoub, Container stacking problem: a survey, *The 45th International Conference on Computers & Industrial Engineering CIE45, France 2015*.
- S. Mnif, S. Galoui, **S. Elkosantini**, S. Darmoul, L. Ben Said, Ontology based performance evaluation of public transport systems, *IEEE International Conference on Advanced Logistics and Transport (ICALT'2015), France, 2015*
- N. Gheriani, **S. Elkosantini**, S. Darmoul, L. Ben Said, An Ontology Based Benchmarking Platform for the Assessment of Public Transportation Control Systems, *IFAC Symposium on Information Control in Manufacturing (INCOM 2015), Canada, 2015*
- I. Reikik, **S. Elkosantini**, H. Chabchoub, Real-Time Stacking System for dangerous containers in seaport terminals, *IFAC Symposium on Information Control in Manufacturing (INCOM 2015), Canada, 2015*
- Ammar, A., Pierreval, H. and **Elkosantini, S.**, Une Approche d'Affectation Dynamique des Opérateurs dans un Contexte de Demande Stochastique et Changeante, Basée Sur TOPSIS et l'Optimisation Via Simulation, proc. *10ème Conférence Francophone de Modélisation, Optimisation et Simulation, MOSIM 14, 5 au 7 novembre 2014 - Nancy -France, (In French)*
- N. Gheriani, **S. Elkosantini**, S. Darmoul, L. Ben Said, A survey of simulation platforms for the assessment of public transport control systems, *IEEE International Conference on Advanced Logistics and Transport (ICALT'2014), Hammamet, Tunisia*
- A. Ammar, **S. Elkosantini**, H. Pierreval, 'Serious Game Based on Visual Interactive Simulation for Dynamic Workers Assignment, *8th Congress on Modelling and Simulation (EUROSIM 2013), 2013, Cardiff, Wales*.
- Ammar, A., Pierreval H., **Elkosantini, S.**, Worker Assignment Problems in Manufacturing Systems: a Literature Analysis, *International conference on Industrial engineering and systems management, Morocco, pages 637 -- 643, 2013*.
- Moalla, D., **Elkosantini, S.**, Darmoul S., (2013), An artificial immune network to control traffic at a single intersection, *International conference on Industrial engineering and systems management, Morocco, pages 842 – 848, 2013*
- **S. Elkosantini**, S. Darmoul, (2013), Intelligent Public Transportation Systems: A Review of Architectures and Enabling Technologies, *IEEE International Conference on Advanced Logistics and Transport (ICALT'2013), 2013, Sousse, Tunisia*.
- N. Gheriani, **S. Elkosantini**, H. Pierreval, (2012), An Agent Based System for Tasks Assignment and Reassignment of Multi-Skilled Operators, *IEEE Logistics Operations Management, 2012, LeHavre, France*
- A. Masmoudi, **S. Elkosantini**, S. Darmoul and H. Chabchoub (2012). An artificial immune system for public transport regulation, *9th International Conference of Modeling and Simulation – MOSIM2012, 2012, Bordeaux, France*.
- B. Trabelsi and **S Elkosantini**, S. Darmoul, (2012), Traffic control at intersections using artificial immune systems, *9th International Conference of Modeling and Simulation – MOSIM2012, 2012, Bordeaux, France*.

- A. Ammar, **S. Elkosantini**, H. Pierreval, (2012), Resolution of Multi-Skilled Workers Assignment Problem Using Simulation Optimization: a Case Study, *2nd IEEE International conference on Computer Science and Automation Engineering – CSAE2012, 2012, China*, pp. 748- 754.
- **S. Elkosantini**, S. MNIF, H. Chabchoub, (2011), An urban traffic controller for signposted road-rail intersections, *4th IEEE International Conference on Logistics- LOGISTIQUA'11, 2011, Tunisia*.
- **S. Elkosantini**, S. MNIF, H. Chabchoub, (2011) A system for the traffic control in signposted junctions, *SSCI 2011 - IEEE Symposium Series on Computational Intelligence, 2011, France*.
- N. Abdallah, **S. Elkosantini**, M.A. Allouche, T. Loukil, (2010), Fuzzy NEH Algorithms for Flow Shop Scheduling Problems, *the 9th international conference on Multiple Objective programming and Goal programming, 2010, Tunisia*.
- **S. Elkosantini**, D. Gien, (2008), Simulation du comportement des opérateurs pour la gestion de la qualité des systèmes de production. *7ème Conférence Francophone de Modélisation et Simulation (MOSIM'08). Paris, France*.
- **S. Elkosantini**, D. Gien. (2007), "Méthode de validation d'un modèle de comportement des acteurs dans la conduite d'une tâche". *7e Congrès international de génie industriel, Trois-Rivières, Québec (CANADA), 2007*.
- **S. Elkosantini**, D. Gien. (2007), "Human behavior and Social network simulation: Fuzzy Sets/Logic and agents-based approach". *ADS'07, Agent-Directed Simulation, part of the ACM/SCS Spring Simulation Multiconference (SpringSim'07), ISBN 1-56555-313-6, Norfolk-Virginia, USA, 2007, pp.102-109*.
- **S. Elkosantini**, D. Gien, (2007), "The fuzzy simulation of human operator behaviour". *IMSM07, the SCS International modelling and simulation multi-conference, Argentine, 2007, pp. 133-138*.
- **S. Elkosantini**, D. Gien, (2006), A Dynamic model for the behavior of an operator in a company. In the proceeding of the *INCOM'06, 12th IFAC/IFIP/IFORS/IEEE/IMS Symposium on Information Control Problems in Manufacturing (Edited by A. Dolgui, G. Morel, C. Pereira), Elsevier, ISBN: 978-0-08-044654-7, France, 2006, pp. 175-180*.
- **S. Elkosantini**, D. Gien, (2006), Simulation du comportement des opérateurs pour la gestion de la qualité des systèmes de production. *MOSIM'06, 6ème Conférence Francophone de Modélisation et Simulation. Rabat - Maroc, 2006, pp. 1545 – 1654*.

6. Research Projects membership

- Technical coordinator and member of an ERASMUS+ submitted project titled "*strENgtHening skills and training expertise for TunisiAN and MorroCan transition to industry 4.0 Era / ENHANCE*" (750.000€, submitted, not yet accepted)
- Principal Investigator of the research group titled "*AI-SOS: Artificial Intelligence for Self-Organization Systems*" (150 000SAR, 2017-2018)
- Principal Investigator of a NPSTI (Saudi National Plan for Science, Technology and Innovation) project titled "*AAMEN : toward a new AdvAnced systeM for drivEr assistaNce*" (Recommended, 2 million SAR, not yet started)
- Principal Investigator of a project titled "*Modelling and Simulation of individual behavior: case of cars drivers*" and submitted to the research center of the College of Engineering, KSU (2015-2016, 29 677 SAR).
- Co- Investigator of NPSTI (Saudi National Plan for Science, Technology and Innovation) project titled "*Developing an artificial immune system to control roadway traffic signals and regulate traffic flow in case of emergencies*" (2014-2016, 1.5 million SAR)
- Member of a project titled "*New methods to worker assignment problem solving in manufacturing system*". A Tunisian-French project (2013-2016, 20700€ + 18000 Tunisian dinars).
- Member of a project titled "*Multicriteria optimization for reducing environmental impacts in companies outsourcing*", Funded by CNRS-France (2014-2016, 8200€).

7. Supervision of research projects

a) Ph.D.

- Achraf Ammar: Affectation dynamique d'opérateurs polyvalents et dimensionnement des équipes dans les systèmes de production (PhD defended in Novembre, 2015)

Co supervision with:

Pr. Henri Pierreval – Université Blaise Pascal – Clermont Ferrand, France
Pr. Habib Chabchoub – FSEG Sfax, Tunisia

University/Institution: National School of Engineering, Sfax (ENIS)
University of Blaise Pascal (France)

- Ines Rekik: A multi-agent-based system for container storage in Seaports (Ph.D. defended in June 2017)

Co-supervision with:

Pr. Habib Chabchoub – FSEG Sfax, Tunisia

University/Institution: National School of Engineering, Sfax (ENIS)

- Ali Louati: Development of an artificial immune system to control roadway traffic signals and regulate traffic flow in case of emergencies (Ph.D. defended in January 2018).

Co-supervision with:

Pr. Lamjed Ben Said – University of Tunis – Tunisia

Dr. Saber Darmoul – Ecole Centrale Casablanca, Morocco

University/Institution: Higher Institute of Management of Tunis (ISG, Tunis)

- Salima Mnif: Development of an artificial immune system for the control of public transportation systems (Ph.D. defended in April 2019).

Co-supervision with:

Pr. Lamjed Ben Said – University of Tunis – Tunisia

Dr. Saber Darmoul – Ecole Centrale Casablanca, Morocco

University/Institution: Higher Institute of Management of Tunis

b) MSc.

- An ontology based system for the evaluation of public transport system (defended in 2014)
- Traffic control at intersections using artificial immune systems (defended in 2013)
- Resolution of Multi-Skilled Workers Assignment Problem Using Simulation Optimization: a Case Study (defended in 2012)
- A multi-agent system for dynamic vehicle routing problem (defended in 2012)
- An Agent Based System for Tasks Assignment and Reassignment of Multi-Skilled Operators (defended in 2011)
- An artificial immune system for public transport regulation (defended in 2011)
- An artificial immune network to control traffic at a single intersection (defended in 2010)

8. International program committee memberships

- **International Conference on Simulation and Modeling Methodologies, Technologies and Applications** – SIMULTECH: 2020(Paris, France), 2019 (Prague – Czech republic), 2018 (Porto –

Portugal), 2017 (Madrid– Spain), 2016 (Lisbon – Portugal), 2015 (Colmar – France), 2014 (Vienne – Austria), 2013 (Reykjavik – Iceland), 2012 (Rome – Italy).

- **International Conference on Advances in System Simulation – SIMUL:** 2019 (Valencia – Spain), 2018 (Nice –France), 2017 (Athens –Greece), 2016 (Rome – Italy), 2015 (Barcelona – Spain), 2014 (Nice –France), 2013 (Rome – Italy).
- **International Workshop on Remote Operated Vehicle – IWROV:** 2021(Singapore)
- **International Conference on Transport and Smart Cities – ICoTSC:** 2020 (Madrid – Spain)
- **International Conference on Vehicle Technology and Intelligent Transport Systems – VEHITS :** 2020 (Online conference), 2021 (Prague – Czech republic)
- **IEEE International Conference on Advanced Logistics and Transports – ICALT:** 2017 (Bali – Indonesia), 2016 (Kraków – Poland), 2015 (Valenciennes – France), 2014 (Hammamet – Tunisia), 2013 (Sousse – Tunisia)
- **International Conference on Logistics Operations Management – GOL:** 2014 (Rabat – Morocco), 2012 (Le Havre – France)
- **International Conference on Internet of Things and Cloud Computing – ICC:** 2017 (Cambridge – United Kingdom).
- **International conference on Intelligent Information Processing, Security and Advanced Communication – IPAC:** 2016 (Prague – Czech republic).
- **IEEE International Conference on Logistics LOGISTIQUA:** 2011 (Hammamet – Tunisia).
- **Multi-Conference on Sciences and Technology GS-MICST:** 2014 (Dubai, United Arab Emirates).
- **International Conference on Control, Systems & Industrial Informatics ICCSII:** 2012 (Bandung – Indonesia)

9. Special sessions, tracks and conferences organization

- **Member of the organizing committee of “IEEE International Conference on Advanced Logistics and Transports ICALT’13”,** Tunisia.
- **Organizer and chair** of a Track titled "Modeling, simulation and optimization in transportation systems", MOSIM – 2010
- **Organizer and chair** of a special session titled "Traffic control in transportation systems", MOSIM – 2012
- **Member of the organizing committee of the “international conference on multiple objective and goal programming, MOPGP’10”,** Sousse, Tunisia.

10. Scientific association membership

- Member of the IEEE Intelligent Transportation System Society.
- Member of the IEEE Control Systems Society
- Member of the International Institute for Innovation, Industrial Engineering and Entrepreneurship (i4e2).
- General secretary and founder member of the association of Decision engineering (from 2012 until 2014)
- General Secretary and founder member of the Tunisian Operation Research Society (TORS) (from 2012 until 2014).

11. Reviewing activity

a) Journals

- Computing in science and engineering
- Simulation Modelling Practice and Theory journal
- Advanced Engineering Informatics
- International Journal of Production Research
- Journal of Traffic and Transportation Engineering
- IEEE Transactions on Intelligent Transportation Systems
- International journal of cybernetics, systems and management sciences – Kybernetes
- International Journal of Services and Operations Management
- International Journal of Computer Science and Applications
- International Journal of Business Performance and Supply Chain Modelling
- Journal of Intelligent Transportation and Urban Planning

b) International and national conferences

- International Conference on Intelligent Control and Automation Sciences, ICONS2016, Reims, France, 2016
- The 45th International Conference on Computers & Industrial Engineering CIE45, France 2015.
- 2nd International Conference on Logistics Operations Management GOL2014, France 2014
- The International Conference on Modeling, Simulation and Applied Optimization (ICMSAO'13) – Tunisia 2013
- 9th ENIM IFAC International conference Modelling and simulation MOSIM – 2012, Bordeaux, France, 2012.
- IEEE International Conference on Control, Systems & Industrial Informatics ICCSII 2012
- 10th IEEE Student Conference on Research and Development SCOReD 2012
- 4th IEEE International Conference on Logistics LOGISTIQUA'11, Tunisia, 2011
- 9th International conference on multiple objective and goal programming – MOPGP'10 (2010), Tunisia
- 8^{ème} ENIM IFAC International conference Modelling and simulation – MOSIM – 2010, Tunisia

c) Research projects

- Reviewing a research proposal submitted to the Chilean National Science Technology Commission (CONICYT - Chile).

12. Certification, grants and awards

- Distinguished Researcher Award for the academic year 2017-2018, College of Engineering, King Saud University.
- Award of Scientific Excellence for the paper titled “An immune Multi-Agent Based Decision Support System for the Control of Public Transportation Systems” presented in the 14th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS 2016) in Spain, 2016.
- Certification of appreciation from the industrial engineering department (KSU) for excellence in research during 2015-2016.
- Distinguished Researcher Award for the academic year 2014-2015, College of Engineering, King Saud University.
- Visiting professor, University Lumiere, Lyon 2 (June –July 2015),
- Oracle Certified Professional, Java SE 6 Programmer, 2013
- Travel Grant from the French Institute of Cooperation in 2010, 2012 and 2013.
- 3-years research fellowship from the French ministry of higher education (2004-2007).

13. Others

- Training on “Electronic Quality Management System in higher education”, by King Saud University, 2017
- Training on “Introduction to microscopic simulation with Vissim and Viswalk”, by PTV Vissim, 2015
- Training titled “Developper un Apprentissage Universitaire par Objectif”, University of Monastir, 2011.
- Training titled “Evaluer les apprentissages chez les étudiants (Docimologie)” University of Monastir, 2011
- Member of The Jeunes Ambassadeurs of Lyon (France) program (launched by Lyon Chamber of Commerce and Industry), 2004-2005