

ANOUER BENNAJEH

Doctor in Management Computer Science from the University of Tunis

Member of *SMART Lab

Birth date: April 12, 1986

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ACADEMIC CURSUS

2014–2018 PhD in management computer science, Higher Institute of Management of Tunis, University of Tunis, Subject: Multi-agent modeling and simulation of non-normative behaviors in a road traffic based on a behavioral approach, under the direction of Pr. Lamjed Ben Said (*SMART Lab, Tunis-Tunisia), and with the co-supervision of Pr. Samir Aknine (*LIRIS Lab, Lyon-France), Mention: Very honorable.

2010–2013 Master in business intelligence and intelligent applied to management, Collaboration between Institute of Higher Commercial Studies, University of Carthage, and Higher School of Commerce of Tunis, University of Manouba, Specialty: Optimization and Intelligent Systems, Subject: Mobile Agent-Based Web Services Composition. Under the supervision of Dr. Hela Hachicha, Mention: Very Good.

2007–2010 Fundamental Degree in Management Computer Science, Higher School of Commerce of Tunis, University of Manouba, Subject: Dynamic Website Builder. Under the supervision of Dr. Olfa Ben Ahmed, Mention: Very Good.

RESEARCH AXES

- Artificial intelligence
- Multi-agent system
- Behavioral approach
- Intelligent Transportation
- Multi-objective Optimization
- Web services Composition

PROFESSIONAL EXPERIENCE (Teaching)

- September 01, 2018 – until now, Permanent Assistant Professor in Management Computer Science at HIGHER INTITUTE OF MANAGEMENT OF TUNIS.
- January 21, 2022 – until now, Temporary Assistant Professor in Management Computer Science at ESPRIT SCHOOL OF BUSINESS.
- September 14, 2020 - January 19, 2021, Temporary Assistant Professor in Computer Engineering at ESPRIT.
- September 18, 2017 - July 31, 2019, Temporary Assistant in Management Computer Science at Free University of Tunis.

- September 14, 2015 - July 31, 2016, Temporary Assistant in Management Computer Science at Higher School of Economic and Commercial Sciences of Tunis.
- September 15, 2014 - July 31, 2018, Temporary Assistant in management computer science at Higher School of Digital Economy of Manouba.

PUBLICATIONS

❖ Journals with Impact Factor (*Thomson Reuters*)

- Bennajeh, A., Ben-Said, L. (2022). Autonomous agent adaptive driving control based on fuzzy logic theory and normative behavior. *Journal of Intelligent & Fuzzy Systems*, 1-11. <https://doi.org/10.3233/JIFS-213498>
- Bennajeh, A., Ben-Said, L. (2021). Driving control based on bi-level optimization and fuzzy logic. *International Journal of Intelligent Systems*. pp 1-29. <https://doi.org/10.1002/int.22441>
- Bennajeh, A., Bechikh, S., Ben-Said, L., Aknine, S. (2020). Multi-agent cooperation for an active perception based on driving behavior: Application on a car-following behavior. *Journal of Applied Artificial Intelligence*. DOI: 10.1080/08839514.2020.1771837.
- Bennajeh, A., Bechikh, S., Ben-Said, L., Aknine, S. (2019). Bi-level Decision-making Modeling for an Autonomous Driver Agent: Application in the Car-following Driving Behavior. *Journal of Applied Artificial Intelligence*. (33), Issue 13, pp 1157-1178.
- Bennajeh, A., Bechikh, S., Ben-Said, L., Aknine, S. (2018). Anticipation model based on a modified fuzzy logic approach. *Journal of IET Intelligent Transport Systems*, 12pp. DOI: 10.1049/iet-its.2018.5156.

❖ Journal indexed in *DBLP*

- Bennajeh, A., Bechikh, S., Ben-Said, L., Aknine, S. (2018). A Fuzzy Logic-Based Anticipation Car-Following Model. *Journal of Trans. Computational Collective Intelligence*. (30). pp 200-222.

❖ International conferences

- Bennajeh, A., Kebair, F., Ben-Said, L., Aknine, S. (2016). Multiagent Cooperation for Decision-Making in the Car-Following Behavior. *ICCCI* (1). pp 391-401.
- Bennajeh, A., Kebair, F., Ben-Said, L., Aknine, S. (2016). Anticipation based on a bi-level bi-objective modeling for the decision-making in the car-following behavior. *International Conference on Intelligent Decision Technologies IDT: Intelligent Decision Technologies*. pp 231-241.
- Bennajeh, A., Hachicha, H. (2015). Multi-agent Coordination for a Composite Web Service. *Trends in Practical Applications of Agents, Multi-Agent Systems and Sustainability*. pp 87-95.
- Bennajeh, A., Hachicha, H. (2015). Web Service Composition Based on a Multi-agent System. *Software Engineering in Intelligent Systems*. 295-305.

READING SCIENTIFIC ARTICLES

- Journal of IET intelligent transport systems, Path planning of autonomous agricultural machineries in complex rural road, 2019
- Journal of IET intelligent transport systems, Towards A Fully Automated Car Parking System, 2018

- Journal of IET intelligent transport systems, Optimizing location and number of parking variable message signs with successive parking route guidance, 2018
- 22nd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems. Dual-Resource Constraints in Classical and Flexible Job Shop Problems: A State-of-the-Art Review, 2018

PARTICIPATION IN RESEARCH EVENTS

- Program of Research Capacity Development, August 7-13, 2021
- PhD Students' Day, University of Tunis, May 12, 2016
- Young Researchers Days, *SOIE Lab, 27-30 December 2016
- 4th Computer Science On-line Conference, 27-30 April 2015
- Work Day, *SOIE Lab, March 18, 2015
- Young Researchers Days, *SOIE Lab, 27-30 December 2014
- Young Researchers Days, *SOIE Lab, December 16-19, 2012
- Young Researchers Days, *SOIE Lab, December 21-23, 2013

RESEARCH INTERNSHIPS

08/05/2017 to 08/06/2017: Research internship of 02 months at the LIRIS laboratory, under the supervision of Pr. Samir Aknine, Lyon 2 University, France.

06/06/2016 to 05/08/2016: Research internship of 03 months at LIRIS laboratory, under the supervision of Prof. Samir Aknine, University Lyon 2, France.

01/04/2015 to 29/05/2015: Research internship of 02 months at LIRIS laboratory, under the supervision of Pr. Samir Aknine, University Lyon 2, France.

TRAINING

- Bibliographic Research (Web of Science), *CNUST & Thomson Reuters, October 26, 2015.
- SpringerLink and the scientific publication, *CNUST & Springer, November 2, 2015.
- How to published in IEEE, *CNUST & IEEE, November 9, 2015.
- How to published in Taylor & Francis, Higher School of Commerce of Manouba and the editor Taylor & Francis, November 17, 2015.
- How to published in Elsevier, *CNUST & Elsevier, November 2, 2016.

PEDAGOGICAL TRAINING

03/09/2017, SCRUM training, organized by Higher School of Digital Economy of Manouba, Trainer Dr. Aymen SIOUD teaching at the University of Quebec at Chicoutimi (UQAC) Canada.

LANGUAGES

- Arabic: Mother Tongue.
- French: Read, write and speak.
- English: Read, write and speak.

- *SMART: Strategies for Modelling and ARTificial intelligence
- *SOIE: Stratégies d’Optimisation et Informatique intelligentE
- *LIRIS: Laboratoire d'InfoRmatique en Image et Systèmes d'information
- *CNUDS: Centre National Universitaire de Documentation Scientifique et Technique