Curriculum Vitae

(February 2018)

Dr. Slim BECHIKH

Associate Professor in Computer Science with Business

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Birth date: July 25, 1983

Marital status: Married (One child)

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Google scholar: https://scholar.google.com/citations?user=fDdqeFUAAAAJ&hl

Areas of specialization:

- **Basic research:** Multi-objective Optimization using Evolutionary Metaheuristics.
- **Applied research:** Supply chains, machine learning, and software engineering.

Education:

- HDR (Habilitation to Direction Research) in Computer Science with Business, Computer Science Department, University of Tunis, ISG-Tunis, January 2013 – May 2015.
- PhD in Computer Science with Business, Computer Science Department, University of Tunis, ISG-Tunis, January 2009 – January 2013.
- MSc in Modeling (with first-class honors), University of Tunis, Computer Science Department, ISG-Tunis, September 2006 – December 2008.
- BSc in Computer Science with Business (with first-class honors), Computer Science Department, University of Tunis, ISG- Tunis, September 2002 – June 2006.

Work experience:

- February 2016 – Present: Associate Professor of Computer Science with Business within the Department of Computer Science and Quantitative Methods of the University of Carthage, FSEG-Nabeul (http://www.fseg.rnu.tn), Nabeul, Tunisia.

- September 2014 – January 2016: Assistant Professor of Computer Science with Business within the Department of Computer Science and Quantitative Methods of the University of Carthage, FSEG-Nabeul (http://www.fseg.rnu.tn), Nabeul, Tunisia.
- September 2011 – June 2014: Lecturer of Computer Science with Business within the Department of Computer Science and Quantitative Methods of the University of Carthage, FSEG-Nabeul (http://www.fseg.rnu.tn), Nabeul, Tunisia.
- September 2007 – June 2011: Research and Teaching Assistant within the Computer Science Department of the University of Tunis, ISG-Tunis (www.isg.rnu.tn), Tunis, Tunisia.

Scientific affiliations:

- Since November 2017: Member of the IEEE CIS Task Force on Many-Objective Optimization (http://www.cs.bham.ac.uk/~limx/MaOP.html).
- Since April 2017: Member of the IEEE CIS Task Force on Decomposition-based Techniques in Evolutionary Computation (https://coda-group.github.io/ieee-cis-dtec.html).
- Since May 2014: Adjunct member of the Center for Machine Vision and Security Research (CMVSR), Computer Science Department, Kennesaw State University, Marietta, GA, USA (http://centers.kennesaw.edu/cmvsr/).
- Since December 2011: Member of Machine Intelligence Research Labs (MIR Labs: Scientific Network for Scientific Research and Excellence (http://www.mirlabs.net/network/Africa/Tunisia/catalogue/Slim%20Bechikh.php).
- Since October 2007: Member of the Tunisian Association for Artificial Intelligence, Tunis, Tunisia (http://www.atia.rnu.tn).
- Since September 2007: Researcher within the SMART lab, Computer Science Department, University of Tunis, Tunis, Tunisia (http://www.smart.isg.rnu.tn).

Research interests:

- Multi-objective/Many-objective/Dynamic/Bi-level/Expensive Optimization.
- Computational Intelligence with a focus on Evolutionary Computing.
- Decision Maker's Preference Handling in Multi-objective Optimization.
- Diversified Applications of Metaheuristics in Supply Chain Management, Machine Learning, Software Engineering, Cloud Computing, and Smart Cities.

Guest editorial activities:

1) Bechikh S, Coello Coello C A (2017) Special issue on recent advances in evolutionary multi-objective optimization. **Swarm and Evolutionary Computation (IF: 3.893)**, Elsevier, accepted (LINK).

Edited books:

1) Bechikh S, Datta R, Gupta A (2017) Recent advances in evolutionary multi-objective optimization. **Adaptation, Learning, and Optimization**, vol. 20, Springer, ISBN: 978-3-319-42977-9 (DOI: 10.1007/978-3-319-42978-6).

Book chapters:

1) Bechikh S, Elarbi M, Ben Said L (2017) Many-objective optimization using evolutionary algorithms: A survey. In: Bechikh S, Datta R, and Gupta A (Editors), Recent advances in evolutionary multi-objective optimization, **Adaptation, Learning, and Optimization**, vol. 20, pp 105–137.
2) Elarbi M, Bechikh S, Ben Said L, Datta R (2017) Multi-objective optimization: Classical and evolutionary approaches. In: Bechikh S, Datta R, and Gupta A (Editors), Recent advances in evolutionary multi-objective optimization, **Adaptation, Learning, and Optimization**, vol. 20, pp 1–30.
3) Azzouz R, Bechikh S, Ben Said L (2017) Dynamic multi-objective optimization using evolutionary algorithms: A survey. In: Bechikh S, Datta R, and Gupta A (Editors), Recent advances in evolutionary multi-objective optimization, **Adaptation, Learning, and Optimization**, vol. 20, pp 31–70.
4) Sharma A K, Datta R, Elarbi M, Bhattacharya B, Bechikh S (2017) Practical applications in constrained evolutionary multi-objective optimization. In: Bechikh S, Datta R, and Gupta A (Editors), Recent advances in evolutionary multi-objective optimization, **Adaptation, Learning, and Optimization**, vol. 20, pp 159–179.
5) Bechikh S, Kessentini M, Ben Said L, Ghédira K (2015) Preference incorporation in evolutionary multi-objective optimization: A survey of the state-of-the-art. **Advances in Computers**, vol. 98, pp 141–207.

Journal papers:

1) Chaabani A, Bechikh S, Ben Said L (2017) A New co-evolutionary decomposition-based algorithm for bi-level combinatorial optimization. **Applied Intelligence (IF: 1.904)**, accepted, DOI: 10.1007/s10489-017-1115-9.

2) Azzouz R, Bechikh S, Ben Said L, Trabelsi W (2017) Handling time-varying constraints and objectives in dynamic evolutionary multi-objective optimization. **Swarm and Evolutionary Computation (IF: 3.893)**, accepted, DOI: 10.1016/j.swevo.2017.10.005.
3) Elarbi M, Bechikh S, Gupta A, Ben Said L, Ong Y-S (2017) A new decomposition-based NSGA-II for many-objective optimization. **IEEE Transactions on Systems, Man, and Cybernetics: Systems (IF: 2.350)**, accepted, DOI: 10.1109/TSMC.2017.2654301.
4) Azzouz R, Bechikh S, Ben Said L (2017) A dynamic multi-objective evolutionary algorithm using a change severity-based adaptive population management strategy. **Soft Computing – A Fusion of Foundations, Methodologies and Applications (IF: 2.472)**, 21(4):885–906.
5) Mkaouer MW, Kessentini M, Bechikh S, Deb K, O Cinnéide M (2016) On the use of many quality attributes for software refactoring: A many-objective search-based software engineering approach. **Empirical Software Engineering (IF: 1.393)**, 21(6):2503-2545.
6) Bechikh S, Chaabani A, Ben Said L (2015) An efficient chemical reaction optimization algorithm for multi-objective optimization. **IEEE Transactions on Cybernetics (IF: 4.943)**, 45(10):2051–2064.
7) Mkaouer M W, Kessentini M, Shaout A, Koligheu P, Bechikh S, Deb K, Ouni A (2015) Many-objective software remodularization using NSGA-III. **ACM Transactions on Software Engineering and Methodology (IF: 2.870)**, 24(3): Article–17.
8) Mansoor U, Kessentini M, Wimmer M, Langer P, Bechikh S, Deb K (2015) MOMM: Multi-Objective Model Merging. **Journal of Systems and Software (IF: 1.424)**, 103(1):423–439.
9) Ouni A, Kessentini M, Bechikh S, Sahraoui H (2015) Prioritizing software refactoring tasks using chemical reaction optimization. **Software Quality Journal (IF: 0.787)**, 23(2):323–361.
10) Sahin D, Kessentini M, Bechikh S, Deb K (2014) Code-smells detection as a bi-level problem. **ACM Transactions on Software Engineering and Methodology (IF: 2.870)**, 24(1): Article–6.

11) Kessentini W, Kessentini M, Sahraoui H, Bechikh S, Ouni A (2014) A cooperative parallel search-based software engineering approach for code smells detection. **IEEE Transactions on Software Engineering (IF: 1.516)**, 40(9):841–861.
12) Ouni A, Kessentini M, Langer P, Wimmer M, Bechikh S (2014) Search-based metamodel matching with structural and semantic measures. **Journal of Systems and Software (IF: 1.424)**, 97(1):1–14.
13) Bechikh S, Ben Said L, Ghédira K (2013) Group preference-based evolutionary multi-objective optimization with non-equally important decision makers: Application to the portfolio selection problem. **International Journal of Computer Information Systems and Industrial Management Applications**, 5(1):278–288.
14) Bechikh S, Ben Said L, Ghédira K (2011) Searching for knee regions of the Pareto front using mobile reference points. **Soft Computing – A Fusion of Foundations, Methodologies and Applications (IF: 1.630)**, 15(9):1807–1823.
15) Ben Said L, Bechikh S, Ghédira K (2010) The r-dominance: A new dominance relation for interactive evolutionary multi-criteria decision making. **IEEE Transactions on Evolutionary Computation (IF: 5.908)**, 14(5):801–818.

Conference papers:

1) Bousselmi M, Bechikh S, Hung C-C, Ben Said L (2017) Bi-MOCK: A multi-objective evolutionary algorithm for bi-clustering with automatic determination of the number of bi-clusters. In: Proceedings of the 24th International Conference on Neural Information Processing (**ICONIP'17, Rank: A)**, pp 366–376.
2) Chaabani A, Bechikh S, Ben Said L (2017) A co-evolutionary decomposition-based chemical reaction algorithm for bi-level combinatorial optimization problems. In: Proceedings of the international conference on Knowledge based and intelligent information and Engineering Systems **(KES'17, Rank: B)**, pp 780–789.
3) Elarbi M, Bechikh S, Ben Said L (2017) On the importance of isolated solutions in constrained decomposition-based many-objective optimization. In: Proceedings of the ACM Genetic and Evolutionary Computation Conference **(ACM GECCO'17, Rank: A)**, pp 561–568.
4) Chaabani A, Bechikh S, Ben Said L (2016) A memetic evolutionary algorithm for bi-level combinatorial optimization: A realization between Bi-MDVRP and Bi-CVRP. In: Proceedings of the IEEE Congress on Evolutionary Computation **(IEEE CEC'16, Rank: A)**, pp 1666–1673.

5) Trabelsi W, Azzouz R, Bechikh S, Ben Said L (2016) Leveraging evolutionary algorithms for dynamic multi-objective optimization scheduling of multi-tenant smart home appliances. In: Proceedings of the IEEE Congress on Evolutionary Computation **(IEEE CEC'16, Rank: A)**, pp 3533–3540.
6) Elarbi M, Bechikh S, Ben Said L (2016) Solving many-objective problems using targeted search directions. In: Proceedings of the ACM Symposium on Applied Computing **(ACM SAC'16, Rank: B)**, pp 89–96.
7) Azzouz R, Bechikh S, Ben Said L (2015) Multi-objective optimization with dynamic constraints and objectives: New challenges for evolutionary algorithms. In: Proceedings of the ACM Genetic and Evolutionary Computation Conference **(ACM GECCO'15, Rank: A)**, pp 615–622.
8) Chaabani A, Bechikh S, Ben Said L (2015) A improved co-evolutionary decomposition-based algorithm for bi-level combinatorial optimization. In: Proceedings of the ACM Genetic and Evolutionary Computation Conference **(ACM GECCO'15, Rank: A)**, pp 1363–1364.
9) Chaabani A, Bechikh S, Ben Said L (2015) A co-evolutionary decomposition-based algorithm for bi-level combinatorial optimization. In: Proceedings of the IEEE Congress on Evolutionary Computation **(IEEE CEC'15, Rank: A)**, pp 1659–1666.
10) Mkaouer M, Kessentini M, Bechikh S, Ouni A (2015) Many-objective software engineering using preference-based evolutionary algorithms: A case study in software refactoring. In: Proceedings of the North American Symposium on Search Based Software Engineering **(NasBASE'15)**, pp 1–12.
11) Azzouz R, Bechikh S, Ben Said L (2014) A multiple reference point-based evolutionary algorithm for dynamic multi-objective optimization with undetectable changes. In: Proceedings of the IEEE Congress on Evolutionary Computation **(IEEE CEC'14, Rank: A)**, pp 3168–3175.
12) Azzouz N, Bechikh S, Ben Said L (2014) Steady state IBEA assisted by MLP neural networks for expensive multi-objective optimization problems. In: Proceedings of the ACM Genetic and Evolutionary Computation Conference **(ACM GECCO'14, Rank: A)**, pp 581–588.
13) Chaabani A, Bechikh S, Ben Said L (2014) An indicator-based chemical reaction optimization algorithm for multi-objective search. In: Proceedings of the ACM

Genetic and Evolutionary Computation Conference **(ACM GECCO'14, Rank: A)**, pp 85–86.

14) Mkaouer MW, Kessentini M, Bechikh S, Deb K, O Cinnéide M (2014) High dimensional search-based software engineering: Finding tradeoffs among 15 objectives for automated software refactoring using NSGA-III. In: Proceedings of the ACM Genetic and Evolutionary Computation Conference **(ACM GECCO'14, Rank: A)**, pp 1263–1270.
15) Mkaouer MW, Kessentini M, Bechikh S, O Cinnéide M, Deb K (2014) Software refactoring under uncertainty: A robust multi-objective approach. In: Proceedings of the ACM Genetic and Evolutionary Computation Conference **(ACM GECCO'14)**, pp 187–188.
16) Mkaouer MW, Kessentini M, Bechikh S, Deb K, Wimmer M (2014) Recommendation system for software refactoring using innovization and interactive dynamic optimization. In: Proceedings of the 29th IEEE/ACM international conference on Automated Software Engineering **(IEEE/ACM ASE'14, Rank: A)**, pp 331–336.
17) Boukhdhir A, Kessentini M, Bechikh S, Dea J, Ben Said L (2014) On the use of machine learning and search-based software engineering for ill-defined fitness function: A case study on software refactoring. In: Proceedings of the international Symposium on Search-Based Software Engineering **(SSBSE'14)**, pp 31–45.
18) Mkaouer MW, Kessentini M, Bechikh S, O Cinnéide M, Deb K (2014) A robust multi-objective approach for software refactoring under uncertainty. In: Proceedings of the international Symposium on Search-Based Software Engineering **(SSBSE'14)**, pp 168–183.
19) Kalboussi S, Bechikh S, Kessentini M, Ben Said L (2013) On the influence of the number of objectives in evolutionary autonomous software agent testing. In: Proceedings of the IEEE International Conference on Tools with Artificial Intelligence **(IEEE ICTAI'13, Rank: B)**, pp 229–234.
20) Kalboussi S, Bechikh S, Kessentini M, Ben Said L (2013) Preference-based many-objective evolutionary testing generates harder test cases for autonomous agents. In: Proceedings of the international Symposium on Search-Based Software Engineering **(SSBSE'13)**, pp 245–250.
21) Boussaa M, Kessentini M, Bechikh S, Ouni A, Ben Chikha S (2013) A cooperative parallel search-based software engineering approach for code-smells fixing. In:

Proceedings of the international Symposium on Search-Based Software Engineering **(SSBSE'13)**, pp 50–65.

22) Mkaouer M, Kessentini M, Bechikh S, Tauritz D (2013) Preference-based multi-objective software modelling. In: Proceedings of the international workshop on Combining Modelling and Search-Based Software Engineering **(CMSBSE'13)**, 35th International Conference on Software Engineering **(ICSE'13, Rank: A+)**, pp 61–66.
23) Azzouz R, Bechikh S, Ben Said L (2012) Articulating decision maker's preference information within multiobjective artificial immune systems. In: Proceedings of the IEEE International Conference on Tools with Artificial Intelligence **(IEEE ICTAI'12, Rank: B)**, pp 327–334.
24) Bechikh S, Ben Said L, Ghédira K (2011) Negotiating decision makers' reference points for group preference-based evolutionary multi-objective optimization. In: Proceedings of the IEEE international conference on Hybrid Intelligent Systems **(IEEE HIS'11, Rank: C)**, pp 377–382.
25) Bechikh S, Ben Said L, Ghédira K (2010) Searching for knee regions in multi-objective optimization using mobile reference points. In: Proceeding of the ACM Symposium on Applied Computing **(ACM SAC'10 Best Paper Award, Rank: B)**, pp 1118–1125.
26) Bechikh S, Ben Said L, Ghédira K (2010) Estimating nadir point in multi-objective optimization using mobile reference points. In: Proceeding of IEEE Congress on Evolutionary Computation **(IEEE CEC'10, Rank: A)**, pp 2129–2137.
27) Bechikh S, Belgasmi N, Ben Said L, Ghédira K (2008) PHC-NSGA-II: A novel multi-objective memetic algorithm for continuous optimization. In: Proceedings of the IEEE International Conference on Tools with Artificial Intelligence **(IEEE ICTAI'08, Rank: B)**, pp 180–189.

Theses:

1) Bechikh S (2015) **Handling Some Real World Aspects In Evolutionary Multi-objective Optimization: Efficiency, Dimensionality, and Dynamicity**. University Habilitation thesis, University of Tunis, ISG-Tunis, Tunisia.
2) Bechikh S (2013) **Incorporating Decision Maker's Preference Information in Evolutionary Multi-objective Optimization**. PhD thesis, University of Tunis, ISG-Tunis, Tunisia (available online via the repository of Pr. Carlos A. Coello Coello: http://delta.cs.cinvestav.mx/~ccoello/EMOO/thesis-bechikh.pdf).

3) Bechikh S (2008) **PHC-NSGA-II: A New Multi-objective Memetic Algorithm for Continuous Optimization**. MSc thesis, University of Tunis, ISG-Tunis, Tunisia (available online via my personal Web page: https://sites.google.com/site/slimbechikh/Rapport_Mastère_Slim_BECHIKH_2008.pdf).

Awards:

- Best Paper Award of the *25th ACM Symposium on Applied Computing*, Switzerland, March, 2010 (http://www.acm.org/conferences/sac/sac2010/BestPaperWinners.pdf). This award was obtained among 364 candidates from 70 countries.

Participation in funded research projects:

- **Project N°1:** An urban platform for communicating electric vehicles (2016–2019), funded by the French-Tunisian Joint Committee for Academic Collaboration (http://www.institutfrancais-tunisie.com/?q=node/1242).
- **Project N°2:** A decision support system for disaster management (2016–2019), funded by the French-Tunisian Joint Committee for Academic Collaboration (http://www.institutfrancais-tunisie.com/?q=node/1242).

Reviews for international journals:

- Applied Intelligence (IF: 1.904): 2018 – Present.
- Journal of Software: Evolution and Process (IF: 1.033): 2018 – Present.
- IEEE Journal of Biomedical and Health Informatics (IF: 3.451): 2017 – Present.
- Engineering Optimization (IF: 1.380): 2017 – Present.
- IEEE Transactions on Cybernetics (IF: 4.943): 2016 – Present.
- IEEE Transactions on Emerging Topics in Computational Intelligence: 2016 – Present.
- IEEE Transactions on Service Computing (IF: 2.365): 2016 – Present.
- Journal of Systems and Software (IF: 1.424): 2016 – Present.
- Information and Software Technology (IF: 1.569): 2016 – Present.
- Sustainable Computing (IF: 0.569): 2016 – Present.
- IEEE Transactions on Evolutionary Computation (IF: 5.908): 2015 – Present.
- Automated Software Engineering (IF: 1.312): 2015 – Present.
- Journal of Applied Geophysics (IF: 1.355): 2015 – Present.
- Journal of Computational Science (IF: 1.078): 2014 – Present.

- China Science Information Sciences (IF: 0.885): 2014 – Present.
- Soft Computing (IF: 1.630): 2012 – Present.
- International Journal of Information Technology and Decision Making (IF: 1.183): 2012 – Present.

Conference program committee memberships:

- IEEE Congress on Evolutionary Computation (Rank: A): 2015 – 2016 – 2017 – 2018.
- ACM Genetic and Evolutionary Computation Conference (Rank: A): 2014 – 2015 – 2016 – 2017 – 2018.
- ACM Symposium on Applied Computing (Rank: B): 2011 – 2012 – 2013 – 2014 – 2015 – 2016 – 2017 – 2018.
- IEEE International Conference on Computational Intelligence in Bioinformatics and Computational Biology (Rank: C): 2017.

Graduate student supervision:

N°	**Research student**	**MSc**	**PhD**
1	Radhia AZZOUZ	Defended (2012)	**Defended on March 28, 2017**
2	Wiem ADDED	Defended (2012)	No continuation
3	Sabrine KALBOUSSI	Defended (2013)	No continuation
4	Abir CHAABANI	Defended (2013)	**Defended on July 26, 2017**
5	Amal BOUKHDHIR	Defended (2013)	*In progress in Canada (UdeM)*
6	Nessrine AZZOUZ	Defended (2013)	*In progress in France (UBP)*
7	Maha ELARBI	Defended (2014)	**Will be defended in April 2018**
8	Emna HAGGUI	Defended (2017)	No continuation
9	Meriem BOUSSELMI	Defended (2017)	No continuation
10	Nehla AMARA	Defended (2016)	No continuation
11	Marwa CHABBOUH	N/A	**Started in January 2017 under my supervision**
12	Marwa HAMMAMI	N/A	**Started in January 2017 under my supervision**
13	Manel JERBI	N/A	**Started in January 2017 under my supervision**
14	Sofien BOUTAIB	N/A	**Started in November 2017 under my supervision**
15	Bedis MOUELHI	N/A	**Started in November 2017 under my supervision**

Main current collaborators:

- Prof. Lamjed BEN SAID, Head of SMART lab and Dean of ISG-Tunis, University of Tunis, Tunisia.
- Prof. Yew-Soon ONG, School of Computer Engineering, SIMTECH-NTU Joint Lab on Complex Systems/Rolls-Royce@NTU Corporate lab, Nanyang Technological University, Singapore.
- Prof. Chih-Cheng HUNG, Center for Machine Vision and Security Research, Computer Science department, Kennesaw State University, Marietta, GA, USA.
- Dr. Abhishek GUPTA, Research Fellow, Rolls-Royce@NTU Corporate lab, Nanyang Technological University, Singapore.
- Dr. Walid TRABELSI, Senior Software Architect, DELL, Cork, Ireland.
- Dr. Rituparna DATTA, Research Fellow, Robot Intelligence Technology (RIT) lab, Department of Electrical Engineering, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Republic of South Korea.

Courses taught:

- **Graduate courses:**
    1) Combinatorial optimization,
    2) Metaheuristic computing,
    3) Multi-objective optimization and decision making,
    4) Machine learning using the R language.
- **Undergraduate courses:**
    1) C programming,
    2) Algorithms and data structures,
    3) Object-oriented programming using Java,
    4) Advanced Java programming,
    5) Operating systems.

Teaching responsibilities:

- Director of the Master program in "Decision Aid Informatics" (called in French: Informatique d'Aide à la Décision: http://www.fsegn.rnu.tn/?page=masteres&section=18).
- Member of the scientific committee of the FSEG-Nabeul campus.

HDR/PhD/MSc examination boards:

- **PhD defense:** Ali LOUATI, An Artificial Immune System Approach for Roadway Traffic Signal Control and Traffic Flow Regulation in the Case of Emergency, Computer Science Department, University of Tunis, ISG-Tunis, January 2018 (Supervised by: Prof. Lamjed BEN SAID and Dr. Sabeur ELKOSANTINI).
- **PhD defense:** Sleh EL-FIDHA, Graphical Models for Preference Representation: Extending Probabilistic CP-nets to handle Constraints and Dynamics, Computer Science Department, University of Tunis, ISG-Tunis, January 2018 (Supervised by: Prof. Nahla BEN AMOR).
- **HDR defense:** Imen BOUKHRIS, Approaches for Knowledge Representation and Evidential Reasoning, Computer Science Department, University of Tunis, ISG-Tunis, June 2017 (Recommended by: Prof. Zied ELOUEDI).
- **PhD defense:** Wafa LAÂMARI, Static and Dynamic Evidential Networks with Conditional Beliefs: Knowledge Representation and Reasoning, Computer Science Department, University of Tunis, ISG-Tunis, April 2017 (Supervised by: Prof. Boutheina BEN YAGHLANE).
- **PhD defense:** Narjes BEN HARIZ HADDED, Evidential Networks Learning and Reasoning under the Belief Function Theory, Computer Science Department, University of Tunis, ISG-Tunis, April 2017 (Supervised by: Prof. Boutheina BEN YAGHLANE).
- **PhD defense:** Mohamed Hedi CHERIF, Hybrid Multi-criterion Methods for Inventory Classification, Computer Science Department, University of Tunis, ISG-Tunis, January 2017 (Supervised by: Prof. Talel LADHARI).
- **PhD defense:** Hajer BEN-ROMDHANE, New Perspectives on Solving Dynamic Optimization Problems, Computer Science Department, University of Tunis, ISG-Tunis, July 2016 (Supervised by: Prof. Saoussen KRICHEN and Prof. Enrique ALBA).
- **MSc defense:** Houwayda HASSAYOUNE, A Genetic Algorithm for the Dynamic Carpooling Problem, Computer Engineering Department, University of Sousse, ISSAT, May 2016 (Supervised by: Dr. Manel SGHAIER).
- **MSc defense:** Seifallah ARRAMI, Opinion Leader Identification in Social Network Communities. Computer Science Department, University of Manouba, ESC, May 2017 (Supervised by: Dr. Wided OUESLATI).

Computer skills:

- Operating systems: Windows XP/7/10 – Linux Red Hat.
- Typing software: Microsoft Office – OpenOffice – LaTeX.
- Programming languages: Pascal – C – C++ – Java – Php – PLSQL.
- Scientific programming software: MATLAB, R.
- Evolutionary computation development frameworks: JMetal, PlatEMO, PISA.
- Multi-agent system development frameworks: JADE, MaDKit.
- Software design methodologies: Merise – Unified Process – Scrum.
- Database management systems: Oracle – SQL Server – MySQL.
- Integrated development environments: Microsoft Visual Basic – Microsoft Visual C++ – .Net – Eclipse – NetBeans.

Langage skills:

- French: Very fluently written and spoken (*French is the teaching language in Tunisia*).
- English: Fluently written and spoken.
- Arabic: Mother tongue.

Hobbies:

- Technology.
- Travelling and exploring other cultures.
- Sport.

References:

- **Prof. Lamjed BEN SAID**, Dean of ISG-Tunis and Head of SMART laboratory, Computer Science Department, University of Tunis (ISG-Tunis), Tunis, Tunisia. E-mail: lamjed.bensaid@isg.rnu.tn. Phone: (+216) 22-903-040. Fax: (+216) 71-588-487.
- **Prof. Chih-Cheng HUNG**, Head of MVSR laboratory, Computer Science Department, Kennesaw State University, Marietta, GA, USA. Email: chung1@kennesaw.edu. Phone: (+1) 678-915-3574. Fax: (+1) 678-915-5511.
- **Prof. Saoussen KRICHEN**, Vice-Provost of the University of Tunis and Research Director at the LARODEC laboratory, University of Tunis (ISG-Tunis), Tunis, Tunisia. E-mail: saoussen.krichen@isg.rnu.tn. Phone: (+216) 24-304-250. Fax: (+216) 71-568-767.