

# CURRICULUM VITAE



## **Prof. Naoufel KRAIEM**

*Member of Smart City Initiative - IEEE*  
*Coordinator Smart City Research Group*  
*Audit, Institutional and Program Accreditation, and Quality Assurance in Higher Education*  
*Focal Point of University of Paris 1 – Sorbonne*  
*Member of the Board of the Future Cities Council*  
*Chairperson of GLORY – RIADI Lab*  
*Coordinator of the PhD Program at University of El Manar*

### C1. Personal Information

#### **Naoufel Kraiem**

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University of El Manar – Tunisia

Mob: +(216) 98325114

email: naoufel.kraiem@gmail.com

Googlescholar Profile:

[https://scholar.google.fr/citations?hl=fr&user=UmIUtwAAAAJ&view\\_op=list\\_works&sortby=pubdate](https://scholar.google.fr/citations?hl=fr&user=UmIUtwAAAAJ&view_op=list_works&sortby=pubdate)

ResearchGate Profile:

[https://www.researchgate.net/profile/Naoufel\\_Kraiem2/publications?editMode=1&sorting=recentlyAdded](https://www.researchgate.net/profile/Naoufel_Kraiem2/publications?editMode=1&sorting=recentlyAdded)

#### *Personal Address*

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- Rte Gammarth Km5 -2046 Sidi Daoued - Tunisia

#### *Personal Data*

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|-------------------------|--|
| 1. Nationality          | Tunisian   |
| 2. Civil Status         | Married  |
| 3. Date of Appointment  | September 1995   |
| 4. Linguistic Abilities | Arabic: Mother tongue<br>English: Well spoken, read and written<br>French: Well spoken, read and written |

## C2. Education and Employment Information

### *C2.1. Educational Information*

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1. Institution                      University of Sfax, Tunisia
  - Degree                              BSc's degree
  - Major                                Computer Science
  - Year                                  June, 1988
  
2. Institution                      University Paul Sabatier, Toulouse, France
  - Degree                                Master's degree
  - Major                                Computer Science
  - Laboratory                        LIS/IRIT
  - Year                                  June, 1990
  
3. Institution                      University Paris VI, France
  - Degree                                PhD
  - Major                                Software Engineering
  - Department                        Computer Science and Information System
  - Laboratory                        MASI
  - Year                                  March, 1995
  - Thesis Title                        Object-Oriented Pivot Model
  - Thesis Supervisor                Professor Colette Rolland
  
4. Institution                      University of Paris 1- La Sorbonne, France
  - Degree                                Habilitation degree: Post-Graduate Diploma of Habilitation for Guiding Research (Required in Europe for professorship)
  - Major                                Information System
  - Laboratory                        CRI
  - Year                                  May, 2011

### *C2.2. Employment Information*

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#### Academic

1993 – 1995	Temporary Assistant (ATER)	University of Paris1 - La Sorbonne, Paris, France
1995 – 1997	Assistant professor	Preparatory Institute for Engineering studies of Monastir (IPEM), Monastir, Tunisia
1997 – 2002	Assistant professor	Management Higher Institute of Sousse (ISG), University of Sousse, Tunisia
2002 – Fev 2012	Assistant professor Coordinator of Master- Research	Computer Science Higher School (ISI), University of Manar, Tunis, Tunisia
Fev 2012 – July 2012	Associate Professor	Commerce Higher School of Tunis (ESC) , Tunis, Tunisia
July 2012 –Sept 2013	Associate Professor	Multimedia Arts Higher Institute of Manouba (ISAMM), University of Manouba, Tunis, Tunisia
October 2013 – March 2017	Associate Professor	Sultan Qaboos University, Muscat, Oman

April 2017-July 2019	Full Professor	Sultan Qaboos University, Muscat, Oman
August 2019 - present	Full Professor	Computer Science Higher Institute (ISI), University of Manar, Tunis, Tunisia

#### Temporary

1989–1990	Instructor	University of Toulouse I, Toulouse, France
1990 –1995	Instructor	MBA INSTITUTE and EFREI, Paris, France
1992–1999	Part Time	EPITA, Paris, France
1998–2000	Part Time	ISG Tunis, Tunis, Tunisia
1996–2008	Visiting Professor	Ecole Centrale, Paris (Supervisor M: Marc AIGUIER)
2000–2011	Part Time	ENSI (Master: Methods Engineering), Tunis Tunisia
2011 and 2012	Visiting Professor	Loughborough University - United Kingdom
1998–2021	Visiting Professor	University of Paris1 – La Sorbonne, Paris, France

#### Continuing professional development

June 2009 and November 2009	Scientific Sojourn at Computer Engineering department, Politecnico di Milano, with Professor Barbara Pernici
August-Sept 2011, 2012	Scientific Sojourn at Computer Science & Information Systems Group, The Business School, Loughborough University, Leicestershire, United Kingdom, with Professor Pericles Loucopoulos
1995 – 2020	Scientific Sojourn at CRI research lab, University Paris – La Sorbonne France, collaboration with Professor Colette Rolland. Research leave from RIADI lab
2019 - 2022	<b>Expert/consultant senior Honoris United Universities</b>

#### Administration

Sept. 2004 – Sept. 20013	Coordinator Master-Research	ISI, University of Manar, Tunis, Tunisia
During 2013, 2015	Acting HoD	Department of Computer Science, College of Science, SQU
During 2014	Acting Assistant Dean of Research	College of Science, SQU
2014-2019	Member of Quality Assurance Committee	College of Science, SQU
Since April 2018	Coordinator of Smart City Research Group (SCRG)	Sultan Qaboos University (SQU)

### C3. Awards and Recognitions

1. World Youth Model United Nations (WYMUN), Turkey 12-15<sup>th</sup> November 2021.
2. Since 1998-2012: Member of the ONC (National Observatory of Road Traffic).
3. Guest Speaker at the 5th International Istanbul Smart Grid and Cities Congress and Fair- (April 2017)
4. Guest Speaker at Smart City Summit, 28-29 march 2017. >Oman.<http://smartcityoman.com/en/conference-agenda/>
5. Guest Speaker at International Conference of Transportation Engineering (TEC 2016) ><http://www.gtconf.com/>, 15 April 2016
6. Invited Keynote Speaker, Workshop on Advances in Software Engineering, India (2014).
7. External Examiner, BEng in Software Engineering program for Minister of High Education, Oman (2014-2017).

8. Recipient of the 2010 “Top Competency Excellence Award” of the Association of ISET, delivered at the U.S. Chamber of Commerce in Washington, D.C. on July 27, 2012.
9. 1997-2006: Expert of United Nations Industrial Development Organization (UNIDO).
10. 2010: Chairman of the 22th International Conference on Advanced Information Systems Engineering (CAiSE'10).
11. 2002 -2019: Honorary Visiting Associate at the University of Paris 1 –Sorbonne.
12. 1990-1995: Ph.D. Scholarship from Tunisia Government (PhD – France)
13. 1989-1990: Master Scholarship from Tunisian Government (MSc – France)
14. Bachelor Scholarship from Tunisian Government

## C3. Publications

### *C3.1. Publication Summary:*

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**Total Published Articles = 147**

- ***Published Refereed Articles = 133***
  - Journals (**57 articles**)
  - Conference Proceedings (**76 articles**)
  - Book (**4 books**)
  - Chapters (**1 chapter**)
  - Technical Report (**3 reports**)
  - Workshop (**7 articles**)
- ***Invited speaker = 12***

### *C3.2. Books*

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1. J. Ralyté, P.J. Ågerfalk and **N. Kraiem**, (Editors proceedings) (2005), “Situational Requirements Engineering Processes: Methods, Techniques and Tools to Support Situation-Specific Requirements Engineering Processes”. held in Conjunction with 13th IEEE International Requirements Engineering Conference RE’05, Paris, France, 29-30 August 2005. Printed in Ireland by the University of Limerick, ISBN: 1-874653-82-8.
2. H. Zouai, Y. Jamoussi, **N. Kraiem**, “Measurement centered evaluation in adaptive Web-based learning systems based on CBR approach”, Juin 2007, Book Chapter in Advances in Intelligent Web Mastering (Springer-Verlag), p 392-397, ISBN 978-3-540-72574-9. (DOI: 10.1007/978-3-540-72575-6\_63).
3. **N. Kraiem**, & aL, (2008), “Methods Engineering for new trends of development a computer applications”. CPU. ISBN:1-964832-25-7.
4. Al-Khanjari, Z., Al-Hermizy, S. and **Kraiem, N.**, Software Testing Book -- under process, expected to be published in 2021.

### *C3.3. Book chapters*

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- Youcef Baghdadi and **Naoufel Kraiem**, “Business Process Archeology : Business Process Modeling with Service: Reverse Engineering Databases”, Copyright©2014. 24 pages.

### C3.4. Refereed journal papers

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#### **Research Topics:**

- Intelligent Software Engineering
- Data Science
- Software Product Line
- Requirement Engineering
- IoT

## C4. Teaching

### C4.1. Teaching Experience

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#### **1. Certification:**

- CSP (Certified Scrum Professional) (2012)
- Big Data Developer Mastery Award – Skills Academy – IBM (2017)
- Design Thinking: From Insights to Viability, Stanford University (2019)
- Software Security, Stanford Online (2021)

#### **2. Teaching Services At Academic Positions**

I taught the following courses:

- a. Graduate Courses : MSc and Engineer (10 courses)**
- b. Undergraduate and Postgraduate Courses (7 courses)**

### C4.2. Postgraduate Project Supervision

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#### **c. At Tunisia/France (1995-2021)**

##### **- PhD:**

1. Semia Sonia Selmi, *Title: «Formalisation d'une approche de conception des applications web »*. Co-supervision with Pr Henda Ben Ghezala. defended 2008
2. Mouna Hamrouni, *Title : « Une nouvelle approche de composition des Services Web dirigée par la QoS »*. defended 2012, Co-supervision with Pr Henda Ben Ghezala (RIADI-Lab) and Pr Kamel Barkaoui (CEDRIC – CNAM). defended 2015
3. Sami Ouali, *Title: A methodological approach to the intentional modeling of flexible software product lines*, Co-supervision with Pr Henda Ben Ghezala (RIADI Lab). defended 2015,
4. Mohamed Ramzi Bouzid, *Title: An Experience of Reuse Based Requirements Engineering in ERP*, Supervisor (RIADI Lab) defended 2015.
5. Houda Zaidi, *Title: Data quality and Big data*, started 2012, Co-supervisor with (Pr Faouzi Boufares University of Paris 13) defended 2017.
6. Dhékra Ben Sassi, *Title: Anticipating competitor strategic decisions in the context of business intelligence*, defended 2018 (RIADI Lab).
7. Boutheina Gherib, *Title: A Framework and a Method for SaaS*, started in 2013, Supervisor. (RIADI Lab and SQU) - defended July 2017.
8. Omnia Saidani Nefati, *Title: A methodological Approach for the Dynamic Execution of Intentional*

- Service , started 2012, Supervisor. (RIADI Lab) defended 2017.
9. Bouhaouel Rim, Title: Approach to generate Labeled UML model fragments composition by the SPL strategy, started 2013, Supervisor (RIADI Lab and SQU) defended June 2017.
  10. Khaoula Sayeb, Title : Vers des processus d'évaluation de la qualité des langages de modélisation une approche combinant patrons et composants, Supervisor (RIADI Lab) - defended June 2018.
  11. Nesrine Khalfallah. Title: modeling and implementation of the variability in the data bases, started 2014, Supervisor. (RIADI Lab and University of Paris 1). defended 2019
  12. Arfaoui Imen, Title: MultiAgent GeoSimulation:Real-Time MultiAgent-based Patrol Car, , (Supervisor). (RIADI Lab and GuTech). 2016-2019
  13. Mohamed Bjaoui, Title: Machine Learning approach to medical decision support: classification and segmentation of metastatic tumors of the nervous system with Radiomics and RMI, (Supervisor). (RIADI Lab), in progress

### - MSc (France-Tunisia)

1. JM .Smith. Title : « Modèle Pivot Logique Orienté Objet ». Defended 1999, co-Supervisor with Pr Colette Rolland.
2. Ines GAM, Title : «Proposition d'un descripteur de composants réutilisables pour méthodes situationnelles». Defended 1999, Supervisor.
3. Lotfi ben Othman (Mention T. Bien, Juin 2000). Title : «Développement d'un système de gestion de workflow distribué ». Defended June 2000 Co-Supervisor with Sherbrooke, Québec, Canada, Professeur Richard St-Denis
4. Imen BOURGUIBA, Title : «Extension du méta-modèle de méthodes et Expérimentation sur une base de méthodes». Defended 2001, Supervisor.
5. Semia Sonia SELMI Title : «Proposition d'un Méta-modèle de méthode pour la sélection des fragments de méthodes ». Defended 2001, Supervisor.
6. Lamia Trabelsi (Mention Bien, Juin.2006). Title : « QoS et Ingénierie de Méthodes». Defended Juillet 2006. Co-Supervisor with Pr Henda Ben Ghezala.
7. Sana Ezzedine. Title : «Assemblage de composants de méthodes de développement », Defended Juillet 2008. Supervisor
8. Mme Itimed Bouaziz (Mention Bien ; Septembre 2008). Title : «Approche Intentionnelle pour MDA/MDE». Defended September 2008. Supervisor.
9. Sami Ouali. Title : «Modélisation de la variabilité intenti3nnelle». Defended Juillet 2009. Supervisor.
10. Chiraz Bouzid. Title : « Réingénierie de l'approche *CREWS l'Ecritoire* en services méthodologiques ». Defended Juillet 2010.Supervisor.
11. Molka Becher. Title : «Modélisation et estimation des temps d'exécution des instructions d'un programme C ». Defended Juillet 2011.Supervisor.
12. Raouia Ben Charrada, Title : «modélisation et recherche intentionnelles des services. Defended 2011, Supervisor
13. Oumayma.kelmy, Untrusted Web Services Choreographies using Block chain Technology and Smart Contracts, 2020, In progress.
14. Basma gabsi, RESTful Web Service Composition in IoT Applications, 2020, In progress
15. Mouna Macherki, Internet of Things Security, 2020, In progress
16. Hanna alouialoui, Optimizing IoT Sensors Placement, 2020, In progress.

### - *Master Professional/Specialized Master*

I have participated in the supervision of 12 Specialized Masters: "Information Security" of the ISI (Institut Supérieur d'Informatique), for cohorts : 2005, 2006, 2008, 2009 and 2010 (6 month internship).

#### **d. At SQU (2012-2019)**

- **MSc, Department of Computer Science, SQU**

1. Developing Service Oriented e-Government Architecture towards Achieving Oman e-Government Interoperability (SOeGA) Completed Fall 2013  
Major Supervisor: Dr. Zuhoor Al-Khanjari  
Co-Supervisors: Drs Naoufel Kraiem and Youcef Baghdadi  
Student name: Nasser Al-Hosni
2. Developing Extendable E-Learning Software Architecture Using Service-Oriented Architecture (SOA) Completed Feb 2015  
Major Supervisor: Dr. Zuhoor Al-Khanjari  
Co-Supervisors: Drs Naoufel Kraiem and Youcef Baghdadi  
Student name: Yusra Al-Roshdi
3. Proposing a New Design Approach for M-learning Application Completed Dec 2015  
Major Supervisor: Dr. Zuhoor Al-Khanjari  
Co-Supervisors: Drs Muhammad Saraab and Naoufel Kraiem  
Student name: Halima Al-Harrasi
4. Requirements Engineering for a Successful Development of M-learning Software Application  
Major Supervisor: Dr. Zuhoor Al-Khanjari  
Co-Supervisors: Drs Muhammad Saraab and Naoufel Kraiem  
Student name: Noura Al-Saifi Completed Fall 2016
5. A Framework for Automating Web Services Discovery & Consumption in E-Government Completed Fall 2017  
Major Supervisor: Dr. Zuhoor Al-Khanjari  
Co-Supervisors: Drs Naoufel Kraiem and Yassine Jamoussi  
Student name: Abdullah Al-Hajri
6. A Framework using cloud infrastructure in MOOC Completed Spring 2016  
Major Supervisor: Dr. Zuhoor Al-Khanjari  
Co-Supervisors: Drs Naoufel Kraiem and Yassine Jamoussi  
Student name: Eman Al-Kindi
7. An Approach to Develop Enterprise Resource Planning (ERP) By Using Software Product Line (SPLs) Completed Fall 2017  
Major Supervisors. Dr Naoufel Kraiem  
Co-superiors : Dr Zujoor Al Khanjari and Dr Yassine Jamoussi  
Student name: Sabah AL Boussaidi
8. A Framework for assessment of Requirement Engineering approaches for Software Product Lines Completed Fall 2018  
Major Supervisors. Dr Naoufel Kraiem  
Co-superiors : Dr Rachid Hadjem and Dr Salah Bouktif  
Student name: Mahmuda Ayman

- **- PhD, Department of Computer Science, SQU**

1. M-Learning Framework for Higher Education Providers in Oman Feb 2014- Dec 2017  
Major Supervisor: Dr. Zuhoor Al-Khanjari  
Co-Supervisors: Dr Naoufel Kraiem  
Dr. Muhammad Saraab (Comm. & Inform Research Center CIRC, SQU)  
Student name: Asharul Khan Completed Fall2018
2. A Framework for Evaluating Service Oriented Architecture Feb 2015  
Major Supervisor: Dr. Zuhoor Al-Khanjari

Co-Supervisors: Dr. Naoufel Kraiem and Yassine Jamoussi Student name: Joukha Al-Kalbani	Completed Spring 2019
3. A Social Cloud Approach to Provisioning and Managing of Virtual Learning Environment for Colleges of Technology in Oman Major Supervisor: Dr. Zuhoor Al-Khanjari Co-Supervisors: Dr. Naoufel Kraiem and Yassine Jamoussi Student name: Amal Al-Abri	Completed Fall 2019
4. Proposing a Framework for Developing Smart Learning Behavior Environment Major Supervisor: Dr. Zuhoor Al-Khanjari Members: Dr. Naoufel Kraiem and Rachid Hedjam Student name: Iman Al-Kindi	Started Spring 2018  In Progress

#### **e. At Previous Academic Positions and with other Academic Institutions**

**1993 – 2020:** Has directed doctoral theses and chaired (or served) on several doctoral theses committees at the following universities and business schools:

- In Belgium: Faculté d'Informatique des Facultés Universitaires de la Paix de Namur.
- In France: Université de Paris 1- Sorbonne, Université de Paris VI-Jussieu.
- Supervised over 80 Bachelor project in Tunisia.

#### ***C4.3. Interdisciplinary Programs***

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1. Contributed in developing the concept of the interdisciplinary programs for graduates and undergraduates at the College of Science current 2013-2019.
2. Being the Coordinator of research committee of the Department of Computer Science, I initiated the work in the college/department towards the interdisciplinary programs.
  - a. An interdisciplinary courses in Requirement Engineering and Method Engineering has been introduced for MSc.
  - b. Create the first IoT Lab in Oman

### **C5. Services**

#### **1. Service to the Department**

- Serving in all Departments committees (SQU):
  - Acting HoD Department Computer Science – (2013, 2014)
  - Member, Departmental ABET Committee of Computer Science discipline (2013-2016).
  - Coordinator, Software Engineering Research Group: (2013-2019).
  - Coordinator, Research Committee (2013-2019).
  - Member, Appointment Committee: Inviting applications from applicants, screening them and recommending a list of candidates to the college (2013-2018)



- Member, Departmental Post Graduate Committee: Reviewing the Degree Plan of Computer Science discipline for post graduate level (MSc and PhD) (2013-2019).
- Coordinator International Academic cooperation (2016-2019)
- Serving in the Staff-Student liaison committee.
- Supervised the organization of the successful event of first and second “Logistics Day”, an event jointly organized with the Microsoft's *Imagine Cup* (Microsoft) in Tunisia with an international presence.
- Promoted the Department-Industry connections through visits and invitation of guest speakers.
- Coordinator of Masters: Working on a Master Program at the Department. A first draft was produced and is subject to evaluation from the research, labs and international academicians and network.
- Monitoring the implementation of the Strategic Plan and the Quality Assurance program implementation at the Institute.

## **2. Service to the College**

- Member, Promotion Committee of College of Science (2014-2019).
- Serving in the Institute Board
- Served three years in the Institute curriculum committee
- Served 14 years in the Institute Postgraduate Studies committee
- Served 20 years in the Institute Research committee
- Served as reporter for the retreats organized by the Institute.

## **3. Service to the University**

- Participated in the preparation of the Research Strategic Plan. Revised the Government Committee of the plan.
- Participated in the preparation of the University Strategic Plan through the preparation of the College's recommendations.
- Reviewer for several academic promotion applications for regional universities.
- Coordinator of the Smart City Research Group (SCRG)
- Chair of the Smart Campus Project.

## **4. Quality Assurance Program**

- Attended awareness meetings
- Attended, as member of the college executive board, meetings with the Vice Chancellor and the Deputy vice Chancellor and the Director of the Quality Assurance program.
- Participated in the preparation of the implementation of the quality assurance program at the College.
- Monitoring the implementation of the quality assurance program at the Department through the revision of courses to bring them to the required standards suggested in the University Assurance Quality program.

## 5. Service to the Profession

### f. Professional activities

- Reviewed the academic programs of The Computer Science Curriculum for the Ministry of Higher Education (2013-2018).
- External Examiner, BEng in Software Engineering program for Minister of High Education, Oman (2014-2018).
- Served as Program Assessor for IT Master Program 26-28 December 2017, Computer Science Department Dhofar University.

### g. Guest Speaker/keynote at the International Conference

- World Youth Model United Nations (WYMUN), Turkey 12-15<sup>th</sup> November 2021.
- The 2017 International Conference on Industrial Applications on Control, Automation & Robotics (IACAR 2017)- The Magani Hotel & Spa Legian, Bali - Indonesia, from 01 - 02 April 2017.
- The Fourth International Conference on Computer Science, Computer Engineering and Social Media (CSCESM2017), Las Piñas - Manila, Philippines, <http://sdiwc.net/conferences/4th-international-conference-computer-science-computer-engineering-social-media/keynote-speakers/>
- Smart City Summit, 28-29 March 2017, Muscat-Oman.: <http://smartcityoman.com/en/speakers/>
- ICSTMH conference, 30-31 march 2017, Bangkok, Thailand.
- ICSG conference, 20-22 April 2017, Istanbul- Turkey : <https://www.conftool.net/icsg2017/sessions.php> .
- World Multiconference on Systemics, Cybernetics and Informatics: SCI2000, SCI2001: in Orlando - USA.
- International Conference on Advances in Infrastructure for Electronic Business - SGGRR ' 2000, SGGRR'2002 in L'Aquila - Italy.

### h. President of the session "Information System Development":

- Conference Program Chair, 2017 International Conference on Advances in Image Processing Bangkok, Thailand August 25-27, 2017, ACM Digital Library, and indexed by Ei Compendex and Scopus
- International conferences SCI'2000 and SCI'2001 - Orlando-USA.

### i. Scientific Committee:

- Since 2018: member of the Program Committee of IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe)
- 2018: member of the Scientific program of Interdisciplinary Workshop on Recommender Systems, 2nd edition of the international conference (ACM)
- 2018: member SPLC (Systems and Software Product Line Conference), SPLC 2018, Research track.
- Since 2017: member of the 5th International Istanbul Smart Grid and Cities Congress and Fair

- Since 2017: Member of the International Conference on Robotic Engineering & Automation Technology.
- Since 2016 : member of scientific committee of Science Alert journals
- Since 2016 Member of the editorial board committees of the International Journal of Software.
- Since 2015: Member of the editorial board for International Journal of Computer & Software Engineering
- 2015: Member of PC of the 5th International Conference on Key Engineering Materials (ICKEM 2015)
- 2015: Member of PC of the 2nd International Conference on Mobile and Wireless Technology (ICMWT2015).
- Since 2014: Member of PC of the International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprise (2014 IEEE WETICE)
- Since 2013: member of PC, 3rd International Conference on Information Systems Post-implementation and Change Management.
- 2012: Chair of the NTSE workshop, IT-innovations, Al Ain – UAE, March 18-20, 2012.
- Since 2011: Member of PC of the RE (Requirements Engineering Conference)- Rank A.
- 2002 – 2008: Member of PC of the International conference SCI (World Multiconference on Systemics, Cybernetics and Informatics).
- Since 2011-2017: Member of PC of the FSIC (Software First International Conference).
- Since 2011: Member of PC of the RCIS (International Conference on Research Challenges in Information Science).
- Since 2010-2015: Member of PC of the INFORSID.
- Since 2010: Member of PC of the CAiSE (International Conference on Advanced Information Systems Engineering) Rank A.
- 2010: Organizing Committee Chair of the CAISE2010 (International Conference On Advanced Information Systems Engineering) Rank A.
- Since 2010: Member of PC of the ICCSIT.
- Since 2008-2012: Member of PC of WIA2009 (Tunisia).
- Since 2008-2012: Member of PC of TIGERA (Tunisia).
- Since 2008-2013: Member of PC of the INFORSID.
- 2005: Program chair of the SREP2005 (Paris).
- Since 2000-2012: Member of the National Jury 'Technologues' (Tunisia).

## C6. Scholarly Achievements

### C6.1. Dissertations and projects: Research projects:

I have participated to several research projects involving my lab in the community:

#### **1. External Grants: SQU (2013-present)**

1. Al-Khanjari, Z.A., Baghdadi, Y., Kraiem, N., and Hermizi, S. "Developing Extendable E-Learning Software Architecture", Funded by the Internal Grant of the College of Science, Project code number: (IG/SCI/COMP/14/04), Sultan Qaboos University, 2014.

2. Baghdadi, Y., Kraiem, N., Al-Khanjari, Z.A. and Sabeeh, G., "Specification and implementation of a sound and complete set of Web 2.0 Operation as Web Services: Towards a uniform interface of the enterprise", Funded by the Internal Grant of the College of Science, Project code number: (IG/SCI/COMP/14/04), Sultan Qaboos University, 2014.
3. Kraiem, N., Baghdadi, Y., Al-Khanjari and Jamoussi. Y "Labeled UML model fragments composition by the SPL strategy Funded by the Internal Grant of the College of Science, Project code number: (IG/SCI/COMP/15/01), Sultan Qaboos University, 2015.
4. Baghdadi, Y., Kraiem, N., Al-Khanjari, Z., Jamoussi, Y., Al-Hamdani, A. and Al-Badawi, M., "Method Engineering for SOA Realization based on Welke's SOA Maturity Model", Project: Grant ORG/ICT/14/004, the TRC grant 2015 provided by The Research Council (TRC), Total fund requested: OR 18,3000, time span: 3 years, Sultanate of Oman. (Co-Principal Investigator).  
Kraiem, N., Al-Khanjari, Z., Jamoussi, Y., Al Kharousi F, "An evolutionary method to support Dynamic software adaptation for service-oriented product lines ", submitted the TRC grant provided by The Research Council (TRC).
5. Kraiem, N., Sarrab, M., "Smart Streets: Real-Time Feedback for Adaptive Traffic Signals", Funded by OmanTel; 2018-2019.
6. Kraiem, N., Zekri, S, Jabeer, N., "Urban Smart Water Metering", Funded by the TRC grant, 2018-2019.
7. Kraiem, N. & all, "REVaMP2 Round-trip Engineering and Variability Management Platform and Process", (Scientific Coordinator), (2017-2020), European ITEA 3 project. <http://www.revamp2-project.eu> (aims to conceive, develop and evaluate the first comprehensive automation tool-chain and associated executable process to support round-trip engineering of SIS Product Lines and thereby helping to profitably engineer mass customised products and services in virtually any economic sector

## 2. European project:

My research focuses on the on various topics related to Software Engineering and Requirement Engineering: analysis of requirements, alignment of requirements with business strategy, analysis of requirements by EIA reuse for Product Lines, for Integrated Management Software Packages, for Data Warehouses, or in the context of the evolving maintenance of the IS and specially change requirement Engineering, method engineering. I'm a member labs (Centre de Recherche en Informatique) in a Centre for Research in Computer science (Paris 1, university of Paris 1 and RIADI, University of Manouba) and I supervise a 5 research students (theses) that are active in these areas and have an extensive experience in leading research projects and conducting co-operative projects with the industry. My research work has been supported by funding of the CNRS (Centre National de la Recherche Scientifique) and by the Commission of the European Communities under the ESPRIT (BUSINESS CLASS, FROM FUZZY TO FORMAL) and the Basic research program (NATURE, CREWS).

## 3. CMCU projects : (Joint Committee of University Cooperation)

This committee is composed of qualified representatives of institutions of higher learning and research centers in Tunisia and Europe

CMCU includes:

- Exchange of experiences and information between universities;
- Scientific expertise of university cooperation projects;
- Assessment of the approved project.

**Project N° 98/F 1402 (1998 – 2000):**

Title: Méta – Univers: (An) A Multi environment - Methods of development of software packages

**Project N°01/F1406 (2001 – 2004):**

Title: STRATEGIE: A method driven for the assembly of constituent(s) software packages and security.

**Project ETAPe (2005 – 2007):**

Title: Methodologie de développement d'Applications coopératives à base d'e-Services) : development methodology on cooperative applications based on e-services.

**Project N°07/G1407 (2007 – 2009):**

Title: SAME<sup>2</sup> : e-Services, (Approches Multi-Echelle) Multi-scale approaches. Case Study: Secure Banking Solutions.

**Project N°06/G1416 (2016 – 2018):**

Title: "CONFIGURE", CMCU PHC-Utique CONFIGURE n° 16 G1416.

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