



**Professor Nabil EL KADHI, PhD**

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**Profile:**

I am concurrent Acting Vice-Chancellor and Deputy Vice-Chancellor for Academic Affairs in University of Buraimi, Sultanate of Oman, having more than 25 years of experience in the academe, and more than 13 years of experience management of higher education and research. I have started my professional career in the early 90s ; assumed positions ranging from Project Manager and Department Head to Lab Director, Master Programs Director, Dean, Provost, and Deputy Vice-Chancellor for Academic Affairs; and remarkably contributed to institutional excellence, and several industrial projects, such as Data Security and Privacy and Artificial Intelligence, Automatic Translation, Secure Payment, Smart Card Use and various Cloud - based applications. I was also Consultant for Quality Assurance and Accreditation where he re-engineered institutional and academic approaches of some universities and schools in Bahrain and Qatar for successful QA Reviews. I notably contributed to the design and revision of various curricula for both graduate and post graduate levels in France and Bahrain. Since 2006, I focused my professional activities on Institutional Strategies and Achievements, Research, Program/ Curricula Development and Review, Quality Assurance in Education and Strategic Planning. My experience encompasses leadership, administration, management, programme design and development, quality assurance management, national and international accreditation, and staff development, teaching, and assessment.

I have more than 60 international publications indexed by ACM, IEEE, DBLP and others. I am also a reviewer in various international scientific journals and conferences such as International Conference on Security and Management, Super-computing Journal, ICICT-IACSIT, IKE Conferences and International Conference of Network and System Security (NSS), as well as a keynote speaker or chair in numerous international conferences. My research expertise includes Quality Assurance in Higher Education, Instruction, Assessment, Smart Cities Security and Privacy Aspects, Internet and Information System Security, and Cloud Security and Cryptology.

My current role requires me to provide strategic direction ; and manage and oversee the academic departments of the University ensuring that they are operating to the required quality thresholds of the University; and to provide leadership in all aspects of academic development and effectiveness.

### **Leadership and Managerial Expertise:**

1. Policy Formulation and Review, Strategic Planning, Curriculum Development and Review, Process Improvement
2. Institutional Audit, External Accreditation, and Quality Assurance in Higher Education
3. Organization and Management Information System Architecture and Design
4. Strategic, Management and Information Technology Consultancy

### **Research Expertise:**

1. Quality Assurance in Higher Education, Instruction, Assessment
2. Smart Cities Security and Privacy Aspects
3. Internet and Information System Security
4. Cloud Security and Cryptology

### **International Affairs Experience:**

1. Forging University Partnerships (Bahrain and France)
2. Faculty Exchange (Bahrain and France)
3. Student Exchange (Bahrain and France)
4. Industry Collaboration
5. Twinning Programs

### **Personal Information:**

**Birth date:** 10 November 1969

**Nationality:** French/Tunisian

**Address:** 16 Impasse Sganarelle, 95220 Herblay- France// Al-Hail Muscat- Oman

**Languages :** **Arabic** (Native Tongue, **French** (Bilingual); **English** (Fluent); **Italian** (Good working skills)

### **Educational Background:**

1. **Qualification for Public University Associate Professor Rank** – Paris, France (January 2004)
2. **PhD in Computer Sciences**, FST University and INRIA – Paris. Excellent with Panel's Congratulations (July 2001)
3. **Master Degree in Optimization Management and Computer Sciences** ISG - Excellent (September 1996)
4. **Bachelor of Science in Management and Informatics**, ISG Presidential Award - Best Bachelor Degree Graduates Country Level (September 1993)

## **Notable Achievements/ Accomplishments:**

1. Quality Audit – University of Buraimi Oman (April 2016)
2. University of Buraimi Programme Specifications Development and Review
3. Development and Update of Academic University Level Policies (2016)
4. Student Information System Enhancement (2015-2016)
5. Loading and Activity Monitoring Information System and Dashboard for decision making (2015-2016)
6. Keynote Speaker and International Board Member/Reviewer: Data Privacy and Security (Kuala Lumpur – 2016)
7. ABET Accreditation of 03 programs: Provost - AMAIU Bahrain
8. ECBE Reaccreditation of Business Programs: Provost - AMAIU Bahrain
9. NAQQAET Program Review: Provost AMAIU Bahrain
10. Global knowledge about European Crediting System (ECTS)
11. Global Knowledge European Accreditation (ECBE/ EQUIZ/ ACQUIN)
12. Strategic and Operational Plan Development and Monitoring, University and College Levels.
13. ABET Accreditation: Dean of College of Computer Studies and Head of EQAT Team - AMAIU Bahrain (2013)
14. NAQQAET Programme Review and Institutional Review Preparation and Conduct of 05 programmes under 02 different colleges (Computer Studies and Business) (April 2013-April 2014)
15. Chair and/or Member in various university level institutional and program review for local accreditation/validation (Bahrain 2008-2012).
16. Partnership Agreements with ECE-Paris (Top 10 Engineering Colleges) and IT-Eiffel Paris (Management Information System College) (April 2014)
17. Active MOU and Partnership with professional organization such as ISACA an UNIC-UN (April 2013-April 2014)
18. Co-Organizer and Main Speaker - AUT Workshop on Information Security (Governmental and Private Sectors/ Institutions) May 2013
19. Initiator and Manager of International Students Exchange Activities between AHLIA Bahrain and Europe (2008-2012)
20. Chair and/or Active Member of Various QAA University Level Committees – AHLIA Bahrain (2008-2012)
21. Programme Head, Lab Director, Department Head, Dean – Various Academic positions (2002-2013)
22. Founder of KnK Partner- A think tank specialized in Technology transfer between Universities and industries (Conduct of several projects with French small-size companies 2004-2008)
23. Founder of LERIA Lab- Research Lab of EPITECH - Paris France
24. Co-Founder and Manager of 03 Specialized Master Degrees: MCN-SBI-RA- especially designed for Bank and insurance company (2006-2008) Paris France.
25. More than 55 International publications in Peer Reviewed International Journal and

- Conferences with several best papers.
26. President/Vice President of First International Conference on Information Security 2003
  27. Excellence Sponsorship from INIRIA-France for PHD (1998-2000)
  28. Presidential Award- Best Bachelor Degree 1993

### **Professional Experience with Major Activities:**

1. **October 2016 – Present (GCC):** Acting Vice-Chancellor, University of Buraimi, Sultanate of Oman
  - a. Institutional Strategic Plan (preparations for the next cycle)
  - b. Institutional Effectiveness (review, update, modifications of policies and procedures to ensure implementation/ attainment of institutional strategies)
  - c. Budget Planning and Monitoring
  
2. **August 2015 – Present (GCC):** Deputy Vice-Chancellor for Academic Affairs, University of Buraimi, Sultanate of Oman
  - a. Policy Development and Review
  - b. Academic Manual Development
  - c. Strategic and Operational Planning and Development of KPIs
  - d. Audit Portfolio for Institutional Visit with corresponding supporting materials
  - e. Programme and Course Specification Alignment to International Accreditation Body Requirements
  - f. University Academic Framework Development
  - g. University Research and Community Engagement Framework Development
  - h. Loading and Activity Monitoring and Reporting Information System Extension and Design for decision making and process improvement
  - i. Planning and Monitoring of Academic Units
  
3. **September 2013 to July 2015 (GCC):** Provost **AMAIU Bahrain** (3000 Students, 120 Faculty Members); headed the academic activities, and in addition to the regular monitoring and daily operations, achieved following:
  - a. **Revision and/or Development of 23 Academic Policies and Procedures:**
    - Programme Development Review and Enhancement Policy
    - Moderation and Assessment Policy
    - Special Examination Policy
    - Grade Erratum Policy
    - Assessment and Evaluation of Students Outcomes (SOs) and Programme Intended Learning Outcomes (PILOs) Policy
    - Programme Benchmark Policy

- Teaching Learning and Assessment Policy
- Tutorial Classes policy
- Review and Approval of Academic Policies Policy
- Students at Risk policy
- Admission policy
- PEO Assessment and Evaluation Policy
- Enrollment Policy
- Adding Dropping Policy
- Securing Students 'Records Policy
- Programme Industry Advisory Panel Policy
- Academic Advising policy
- Library policy
- Record Retention policy

**b. Development of Academic Manuals:**

- Academic Advising Manual
- Research Guidelines for Graduate and Undergraduate Students
- Work-Based Learning Manual
- Survey Manual
- Community Engagement Manual
- External Examiners Manual

**c. University/College Level Standing Committee Guidelines Development:**

- Alumni Committee (AC)
- Community Engagement Committee (CEC)
- Curriculum Review Committee (CRC)
- E-Learning Committee (ELC)
- Faculty Committee for Assessment and Evaluation of PEOs
- Faculty Committee for Assessment and Evaluation of PILOs/ SOs
- Faculty Development Committee (FDC)
- Instructional Materials/ Library Committee (IMC/LC)
- Student Concern Committee and Grade Appeal Committee (SCC)
- Research Committee (RC)
- Student Disciplinary Tribunal (SDT)
- Continuous Quality Improvement (CQI)

**d. Orientation and Quality Assurance Training: Conduct of various QA-related internal workshop and sessions dealing with Blooms Taxonomy, CILOs, PILOs, PEOs, and Assessments**

**e. Development of five new curricula in various areas with the concerned colleges**

- Bachelor of Science in Information Technology
- Bachelor of Science in Hospitality Management
- Bachelor of Science in Nursing
- Bachelor of Science in Paramedical
- Bachelor of Science in Environmental Engineering

**f. Development, Assessment and Implementation of College and Academic Level Plans**

- Strategic Plan
- Functional Plan
- Development Plan

**g. External Affairs and Partnership:**

- ISACA MOU
- AEISEC MOU
- GARMCO MOU
- ECE-Paris MOU
- IT-EIFFEL MOU

**4. April 2013 - August 2013 (GCC):** Full Professor and Dean - College of Computer Studies, **AMAIU Bahrain**; assumed the strategic, managerial and operational management and development of the college (300 Students, 21 Faculty members).

**5. September 2012 - March 2013 (GCC):** Full Professor and Dean - College of IT and Design- **Jazeera University- Dubai**; Successful conduct of local Quality Assurance Authority visit leading to the full accreditation (400 students 26 Faculty members).

**6. February 2011 - August 2012 (GCC):** Associate Professor and Director International Exchange Unit - **Ahlia University Bahrain**. Design, implementation and management of successful International Students Exchange Programmes with French universities and high institutions; Diversification of Partnership with Korea, Mexico and USA; Development of all the related agreements, policies, procedures and Exchange Unit internal rules and documentations; Key Partnership with ISG-Paris and EPITECH Paris under the patronage of the French Embassy Bahrain.

**7. October 2008-August 2012 (GCC):** Associate Professor and Chairman Computer Engineering Department (250 Students, 10 Faculty Members) - **Ahlia University Bahrain**. In addition to the regular operational and managerial task of the department head, contributed actively to the College Plans Development (strategic and operational plans) with clear KPI and measurement tools; was chairman or member of the following university level Quality Assurance Committees:

a. Programme Review Committee

- b. CILOs Development and Evaluation Committee
- c. Self-Evaluation Report Development Committee for the following indicators
  - Teaching and Learning
  - Evaluation and Assessment
  - Faculty Development
  - Standard of the Graduates
- d. Institutional Review Steering Committee
- e. Programme Review Steering Committee of the MS in Computer Science and IT
- f. E-Learning University-level Committee
- g. IT Center Monitoring Committee
- h. Member of a total of 15 Ad-Hoc Committees

**8. July 2005- August 2008 (Europe):** Associate Professor, **Head and Academic Director of Specialized Master Degrees** in Bank Risk Analysis, Business Intelligence, and Smart Card Application – **EPITECH-Paris**; Developed 03 specific curricula in joint cooperation with various bank stakeholders in order to answer specific market needs in three areas taking in consideration the required practical knowledge as well as the inclusion of specific IT tools. The programmes were delivered in a specific way allowing the candidates to maintain a regular professional activity. Various stakeholders participated to the delivery of the programmes hosted by EPITECH and owned by K&K Partner, a think tank to join the Gap between Academia and Corporate where I was Vice-President. The programmes were successful, student number jumped from 05 (first Batch) to more than 50 candidates. The Monetics Division Head of one of the biggest banks is an Alumni of the Smart Card Applications Programme. Financially, and even with a relatively small number, the programmes maintained a good equilibrium from year one and financial benefit have been realized in year two and three.

**9. February 2002- August 2008 (Europe):** LERIA Research Lab Founder and Director. The LERIA Lab was an initiative installed inside EPITECH-Paris as a major actor of applied research in various areas where collaborative and joint research and technology transfer to corporate have been achieved. Some key projects are mentioned for illustrative purposes:

- a. **2007-2008 Project Manager: Linguistic filtering tools for BeezBeez Company.** This project uses a mix of linguistic techniques, statistical ones and database information analysis. The project has been focused on 'sex' proposition detection and has been designed in a modular way. New extension for other subjects is being developed. Used technologies: Nooj Linguistic Platform, Automate, .Net, SQL2002-2003
- b. **2007 Project Manager: Human Resource Budget Estimation.** I was the project Manager and the Database designer for the Human Resource Budget Estimation for Ineum - Consulting (Deloitte). The project uses a set of statistical and computational methods in a set of harmonious steps. Used technologies: Visual Basic 6, Oracle, SSL Server, UML, PL-SQL.

- c. **2007 MOA Committee Member: Smart Card Application.** I was a member of the MOA group at the High Education Minister and I participated to the definition of the project specification aiming to use Smart Cards as student cards. The Smart Card included identification application, payment application, and a set of other added value services.
  - d. **2006-2007 Project Manager: Bidirectional Bluetooth Authentication scheme:** Design and definition of Mathematical fundamental operations using Nash Equilibrium for a bidirectional Bluetooth authentication. Used technologies: Nash Equilibrium, C++.
  - e. **2003-2007: Intrusion Detection System:** As a project Manager and a PHD-Supervisor, I defined the theoretical model of a new kind of IDS based on the use of both intelligent agent techniques and a back track reasoning process. A prototype was developed and in the early of 2008 we started the enrichment of the database knowledge in order to test the IDS in a production platform. Used technologies: Intelligent Agent (Jade and Aglet Platform) Java, Snort, UML.
  - f. **2003-2004 Security Auditing,** I was the project manager for an audit security of the most important Internet University Provider. Server auditing, Security Policy Analysis, Firewall Configurations, IDS installation and tests are the most important actions accomplished during this project. I have already defined the password management policy and the updating OS policy. Used technologies: IDS (Prelude Snort), Sniffing Spoofing, Security Policy Analysis.
  - g. **2002 -2003 Evaluation and analysis of E-payment solution:** With the LSE laboratory, I have been a consultant to analyze security features of a new payment solution. The idea was to merge Internet message exchange and SMS exchange. I developed a set of tests and analysis process aiming to validate the suggested solution. Cryptographic protocols analysis, vulnerability analysis and multi-session attacks have been detailed in this project. I proved a set of security flaws that were taken in consideration in the final solution development. Used technologies: Vulnerability Tests, Formal tools for cryptographic protocol analysis (PI/SPI Calculus, Abstract Interpretation).
- 10. September 2000 August 2008 (Europe):** From Assistant to Associate then to Full Professor. For 8 years I actively contributed to the definition of **EPITECH** Computer Science courses and to the finalization of EPITECH curricula as well as specific teaching methodology based on practical cases and project realization concepts. I identified the major key in course content, assessment techniques as well as relationship with market needs. I have also been teaching various informatics courses such as:
- a. Computer sciences programming languages (Java, C/C++, Visual Basic, Lisp)
  - b. Database design (Relational schema and Merise Use)
  - c. Application Design Methodology (OMT, UML)
  - d. Database Administration (Oracle 8i,9i and 10g)
  - e. Artificial Intelligence



- f. Game Theory
- g. Concurrent Access
- h. Information System Security and Internet Security
- i. Cryptography/Cryptology
- j. Project Management, Project Manager of KCS, a Key Correlation System of SSH/SSL security verification

**11. March 1998 – August 2000 (Europe):** Researcher (PhD Students) at **INRIA-Rocquencourt** - Member of the European Project TASK-VIP (Verified Internet Protocol). 'Cryptographic Analysis and Java Card Applications.

### **Awards, Merits and Scholarships:**

1. KIE Board Member and Keynote Speaker – Berlin June 2016
2. Conference General Chair: ICICT 2015- Dubai
3. Key Note Speaker: ICMIM 2014- Dubai
4. Excellent Research Paper- ISISE 2013 IJM/Springer Abu Dhabi November 2013
5. Best Paper Award ICCGI 2011, Luxembourg 2011
6. Best Session Paper TELE-INFO'06 Istanbul 2006
7. ICICT 2005 Thirds Best student Project: Post Graduate Project on Bluetooth authentication
8. Best Paper Award: ISI July 2003 Best Research Paper Award
9. INRIA Excellence Scholarship for PhD studies 1998-2000

### **Professional Affiliations:**

1. KIE Board Member 2016-2019
2. WASET Member 2016-2019
3. Reviewer for a set of specialized conferences and workshops in computer science security 2004-2016
4. IACSIT/WMSCI/ICICT/WORLDCOMP Reviewer (2004-20015)
5. SECI2002 International Conference on Information System Security Program Committee Co-chair and Organizer.
6. Operational Research Journal 2005 Reviewer
7. SuperComputing Journal Reviewer (2010-2015)

## **Publications:**

### **A. International Journals**

1. Trust based security framework model for GeoCloud. Nabil EL Kadhi, Walid Ben Ali. The International Journal of Power Control Signal and Computation (IJPCSC), Vol 5, No 1. ppt 56-62-2013
2. A Mobile Agents and Artificial Neural Networks for Intrusion Detection. Nabil EL KADHI, Karim HADJAR, Nahla EL ZANT, JSW Volume 7, Number 1: Pages 156-160
3. Mobile Agent for Intrusion Detection System Based on New Anomaly Approach. F. BARIKA, N. EL KADHI, K. GHEDIRA, Journal of Engineering and Applied Sciences Volume 6 Number 4 2011
4. An Intelligent Bidirectional Authentication Method. Nabil EL KADHI, Hazem EL GENDY, IJCNS Vol 2, N010, 2010 ISSN 2076-2739
5. Agent IDS based on Misuse Approach. N. EL KADHI, F. BARIKA, and K. Hegira Journal of Mathematical Sciences: Advances and Applications 2009. ISSN 0974-5750 Scientific Advanced Publisher.
6. MAFID Based on Misuse Approach F. Barika, N. EL KADHI, K. Ghedra, Journal of software (JSW) ISSN: 1796-217X, Volume: 4 Issue: 6 Date: August 2009,
7. Relation Extraction and Validation Algorithms. L. KAROUI, N. EL KADHI in LNCS 4882: Journal on Distributed Computing and Internet Technology.
8. WaterMed: A Watermarking Method for Medical Digital Image. N. EL KADHI, S. KAROUI, Journal of Computational Methods in Sciences and Engineering V 6, Numbers5, 6 2006 Supplement 2.
9. Advanced Method for Cryptographic Protocol Verification. N. EL KADHI, H. EL GENDY, Journal of Computational Methods in Sciences and Engineering V 6, Numbers5, 6 2006 Supplement 2.
10. Extension and Use for KMRCRelat Algorithm for Biological Problems. N. EL KADHI, N. EL ZANT, P.A. Gourraud, Journal of Computational Methods in Sciences and Engineering V 6, Numbers5, 6 2006 Supplement 2.
11. Formal Method for Automated Testing Data Flow Aspects of communications Protocols, Software and Systems Specified in Lotos. N. EL KADHI, H. EL GENDY. Journal of Computational Methods in Sciences and Engineering V 5, Number 1, 2005
12. Formal Method Importance, Experience and Comparative Analysis. H. EL GENDY, N. EL KADHI, Journal of Computational Methods in Sciences and Engineering V 5, Number 1, 2005.
13. Inferred HLA Haplotype Information for Donors From Hematopoietic Stem Cells Donor Registries, Pierre-Antoine Gourraud, Phillipe Lamiroux, Nabil El-Kadhi, Colette Raffoux and Anne Cambon-Thomsen, Humman Immunology, Volume 66, Issue 5 May 2005, Pages 563-570
14. Automatic Verification of Confidentiality Properties of Cryptographic Program: Network

## B. Paper Presentations in International Conferences

1. An Analysis of Institutional Audits: Basis for Teaching, Learning and Assessment Framework and Principles. Nabil El Kadhi, Minerva M. Bunagan. Paper Accepted in ICQHE 2017: 19th International Conference on Quality in Higher Education. Switzerland. January 2017
2. User-Experience of Human Computer Interaction (HCI) in Mobile Phones. Minerva Bunagan, Nabil El Kadhi. World Congress in Computer Science, Computer Engineering and Applied Computer, USA. July 2016
3. Assessment Methodologies for Abet Accreditation: Success Factors and Challenges. Article in International Conference. Nabil El Kadhi, Minerva Bunagan. World Congress in Computer Science, Computer Engineering and Applied Computer, USA. July 2015
4. General Chair IACSIT-ICICT Conference Dubai November 2015
5. Security of Cloud Federation. F. EL Zant, N. EL ZANT, N. EL KADHI, M. GAGNAIRE, CloudCom-Asia 2013, FuzHou China, December 2013
6. A Bidirectional Authentication Scheme for Wireless Sensor Network. (Excellent) N. EL KADHI, Paper ISISE2013 Abu Dhabi November 2013.
7. A Correlation Tool for Key Reuse in SSH/SSL. N. EL KADHI. CEA2011 WSEAS Cancun Mexico. February 2011
8. Data Mining: The Potential of Genetic Programming. N. EL KADHI, F. AL HABIB, ICCGI-IARIA 2011 Luxembourg June 19-24 2011 (**Best Paper Award**)
9. *FinFuzRelat*: A new Fuzzy Relational Algorithm for Financial Data Analysis. Nabil EL KADHI, Nahla EL ZANT, Naser NAJJAR, IKE'11 WorldComp 2011 Las Vegas July-2011.
10. An Agile Approach for Mobile Applications Security, N. EL KADHI, S. BEJI SAM 2010 WorldComp Las Vegas S, Pages 174-180, ISBN 1-60132-159-7, CSERA Press, 2010
11. Distributed Agent Architecture for Intrusion Detection Based on New Metrics. Farah Barika Katata, Nabil El Kadhi, Khaled Ghedira Third International Conference on Network and System Security, Pages 321-327, ISBN:978-0-7695-3912-6, 2009
12. A Knowledge Based Process Proposal for Mobile Security, Nabil EL KADHI, Sofien Beji Proceedings of the 2009 Second International Conference on Developments in eSystems Engineering. Pages: 166-172, 2009
13. Certificates Chain Construction and Validation in E-Government System. Nabil EL KADHI, Syrine Karoui, Khaled Ghedira Proceedings of the 2009 Second International Conference on Developments in eSystems Engineering, Pages: 160-165, ISBN:978-0-7695-3912-6, 2009
14. MA\_IDS: Mobile Agents for Intrusion Detection System. F.A BARIKA, N. EL KADHI and K. Ghédira. Advance Computing Conference, 2009. IACC 2009. IEEE International Conference, Patiala India, **Issue Date** : 6-7 March 2009, **Page(s)**: 900 – 910, **ISBN**: 978-1-4244-2927-1, 2009
15. Security Ontology Proposal for Mobile Applications, Mobile Data Management, Sofien Beji, Nabil El Kadhi. IEEE Tenth International Conference on Mobile Data Management: Systems, Services and Middleware, Pages. 580-587, Taiwan , 2009

16. Artificial Neural Network for IDS Solution. Security and Management Farah Barika, Karim Hadjar, Nabil El-Kadhi (SAM) Worldcomp 2009, Pages 271-277
17. Ontology Driven Security for Mobile Applications. N. EL KADHI, S. Beji, Security and Management (SAM) WorldComp 2009, Pages 271-277
18. Formal Automated Transformation of SDL Specifications to Lotos Specifications. El-Gendy, H.; El Kadhi, N.; Debnath, N computers and communications, 2008, ISC IEEE symposium, Pages 519-524, 2008,
19. Towards Sound Development of PIXITP, Conformance Test Suites, and Conforming Implementations for Various Formal Description Techniques, Computers and Communications. El-Gendy, H., El Kadhi, N., Debnath, N 2008, ISC IEEE Symposium, Pages 643-648, ISBN 978-1-4244-2702-4, 2008
20. Using Correlation Engine and Mobile Agents for Intrusion Detection System: N. EL Kadhi, F, Barika, The 12 WSEAS Conference on Communication, Heraklion Greece 2008.
21. Overview of Mobile Applications and Technologies. S. BEJI, N. EL KADHI (IARIA) International Conference on Wireless and mobile communications - Greece – 2008.
22. An Overview of Mobile Applications Architecture and the Associated Technologies. Sofien Beji, Nabil EL KADHI. Wireless and Mobile Communications, 2008. ICWMC '08. The Fourth International Conference, Pages 77-83, ISBN 978-0-7695-3274-5, 2008
23. Qualitative and Quantitative Criteria for the Concept Evaluation Task. L. KAROUI and N. EL KADHI, WCE 2007 World Congress on Engineering 2007 London U.K July 2007
24. Intelligent Mobile Agent for Intrusion Detection System. R. Lips N. El-Kadhi: Intelligent Mobile Agent for Intrusion Detection System. In SEM2007- WorldComp Las Vegas 2007.
25. Web driven Ontological Concepts Evaluation. N. EL KADHI, L. KAROUI, EUROIMSA-2007 Chamonix France
26. A Bidirectional Bluetooth Authentication Protocol Based on Game Theoretic Framework. N. EL KADHI, S. KAROUI in World Comp, IEEE congress- Los Angeles July 2006
27. Inferred HLA Haplotype Information for Donors from Hematopoietic Stem. Gourraud PA, Lamiroux P, El-Kadhi N, Raffoux C, Cambon-Thomsen A. Hum Immunol. 2005 May; 66(5):563-70. Epub 2005 Mar 3. PMID: 15935894
28. Unique Input/Output Set: Universal Formal Method for Automated Testing FSM-Based Systems. Hazem El-Gendy Ph.D. & P. Eng. Faculty of Computer and Information Sciences MISR International University Cairo Egypt Dr. Nabil EL KADHI L.E.R.I.A Lab Director Permanent Professor at EPITECH Paris France, SCI 2004 July Orlando
29. Bluetooth Security Challenges, A Tutorial. Davide Del Vecchio [dante@alighieri.org](mailto:dante@alighieri.org) Nabil El Kadhi [el-kad\\_n@epita.fr](mailto:el-kad_n@epita.fr) L.E.R.I.A. Lab. SCI 2004 July Orlando
30. Automatic Verification of Confidentiality Properties of Cryptographic Programs. Nabil EL KADHI, Invited Session Talk, SCI 2004, July Orlando.
31. A New Syntactic and Semantic Representation for Correlation Analysis in IMA-IDS Architecture. Nabil EL KADHI, Romain Delquidt, Fayçal Daira, L.E.R.I.A Lab. CCCT 2004, August Texas.
32. Intelligent and Mobile Agent for Intrusion Detection System IMA-IDS. Nabil EL KADHI, Farah BARIKA, Khaled GHEDIRA, ICICT Conference Cairo, September 2003

33. Towards Standardized Conformance Test Suite for the ISO/IEC Transport Layer Protocol. H. EL GENDY, N. EL KADHI, 11<sup>th</sup> International Conference on Software, Telecommunications and Computer Networks, October 07-10 2003 Italy
34. New Method for Testing FSM-Based Systems. H. EL GENDY, N. EL KADHI, 11<sup>th</sup> International Conference on Software, Telecommunications and Computer Networks, 2003
35. Generic Simulation Environment for Realistic Simulation. M. CAMUS, N. EL KADHI, SCI03, ORLANDO July 2003 (Best Paper)
36. KCS: An SSH/SSL Protocol Analyzer for Key Correlation System Detection. N. EL KADHI, J. OLIVAIN, R. BEN YOUNES SCI03, ORLANDO July 2003 (Best paper)
37. Toward Agent IDS: Agent Platform Security Features Study. N. EL KADHI, F. BARIKA, K. GHEDIRA, SEGUIRIDAD 2003 Mexico City, April 2003.
38. L'analyseur KCS de Protocoles Cryptographiques : Cas Pratique du SSL. N. EL KADHI, R. BEN YOUNES, J. OLIVAIN SETIT2003 Sousse, Mars 2003
39. Static Analysis of Java Cryptographic Applets. P. Boury and N. EL Kadhi ECOOP2001 Workshop on Java Formal Verification Budapest 18-22 June 2001
40. Vérification Statique De Préservation De Secret Dans Les Programmes Cryptographiques. N. EL KADHI JDIR'2000 Paris –France 6-8 November 2000
41. Agent Architecture for Securing Financial Transactions on the Net. EL KADHI N. & BEN AHMED M; (RIADI Lab) IEEE CESA'98 Hammamet 1-04 April 1998
42. Static Analysis for Cryptographic Program. N. EL KADHI, MFPS'16 Hoboken Stevens Institute of Technology, Mars 2000
43. Static Cryptographic Property Verification, Workshop Security Language and Middle-Ware, Stockholm Jun 2000.

### **PhD-Students Supervision**

1. A new Mental Card by Emergence. PhD Obtained. December 2007 (Artificial Intelligence)
2. A new Object Oriented Design Methodology for Security Fields in Wireless environment, Sofien Begi,
3. Agent IDS. PhD Obtained. January 2011 Farah BARIKA

**Master Degree Supervision:** More than 50 Master Degree Project Supervisions (10 years)

### **Computer Sciences Skills/ Courses:**

1. Big Data Privacy and Security
2. Security: Access Control Scheme, Communication Security, Cryptography (DES, IDEA, AES, RSA, etc)
3. Cryptographic Protocols, Authentication protocol, Communication protocols (yahalom, Kerberos, etc)
4. Cryptographic protocol verification techniques
5. Public Key Infrastructure

6. Java, Visual C++, Visual Basic
7. Data Base Administration, Database Application Design (Oracle, MySql)
8. C/Unix, Data structure
9. Artificial Intelligence Techniques: Neural Networks, Expert systems, Intelligent Agents
10. Game Theory: A\* Algorithms, Constraints Optimization, Heuristics, MinMax Algorithms
11. Concurrent/ Distributed Access
12. Network architecture
13. System Design and Design Methodologies (Merise, UML, OMT)
14. Lisp, ADA, Ms Access
15. SQL, Oracle Power Object, Forms
16. Oracle 8i-10G Database Administrator
17. Active X, COM-DCOM
18. Caml

## **REFERENCES:**

1. Mr. Fabrice Bardeche  
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IONIS Educational Group, France  
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2. Dr Lionel Khalil  
Former QA Director / Innovation Director  
Notre Dame University – Lebanon/ MARS – Europe  
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4. Mr Ali AL Jassim  
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5. Dr. Minerva M. Bunagan  
Director, Quality and Accreditation Department  
University of Buraimi – Oman  
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