CURRICULUM   VITAE

Bedine Mohamed Lemine KERIM, PhD

Contact Information:

Postal   **Al-Baha University**

Department of Information Technology

Al-Baha - KSA

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Personal Information

Date of Birth: 31 Dec 1976

Nationality: Mauritanian

Marital Status: Married, 3 kids

Language: **English, French and Arabic.**

Education and Employment:

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__Education__

Feb 2022-Dec 2026: Associate Professor (Maitre de Conference)- Ministry of Higher Education, Research and Innovation- France

2006-2010 __Philosophic Doctorate (PHD) in Computer Science:__ Thesis defended on Jun 8th 2010 at University of Le Havre, France. Supported by a scholarship of Excellency from Government of France.

__Major area__: Artificial Intelligence and Game theory

__Supervisors__: Prof Cyrille Bertelle –University of Le havre, Co-Supervisors: Dr. Carla Selmi, University of Rouen and Dr Mustapha Arfi - University of Le havre - France.

__Dissertation:__ Infinitely Repeated Games and Infinite Words.

2005-2006 __Mater of Science(M.Sc.) in Computer Science:__ Defended on September 2006-University of Rouen-France

__Major area__: Informatics Theory and Application

__Supervisors__: Dr. Carla Selmi- University of Rourn-France.

1998-2003 **Bachelor of Science (B.Sc.) in Computer Science:**

College of Computer Science and Information Systems

Yarmouk University –Jordan.

1996 **Baccalaureate**: Sciences- National High School –Nouakchott-Mauritania

Employment

August 2013-Now : Assistant Professor at Computer Science Department and Information Technology Department – Albaha University-KSA.

Keywords: Teaching computer science and IT departments courses

Head of Computer Science department for two semesters

Head and member in many committees such as: Quality and Accreditation,

Faculty affairs, Students Activities, Curriculum.

February 2011-August 2013: Assistant Professor at Computer Science Department

College of Computer Science- King Khalid University- Abha – KSA.

Keywords: Teaching computer science and IT departments courses

Head of Computer Science department for two semesters

Head and member in many committees such as: Quality

and Accreditation, Faculty affairs, Students Activities, Curriculum.

August 2010-Feb 2011: Adjunct professor High Institute for Islamic Education and Research (ISERI)-Nouakchott – Mauritania.

Keywords: Teaching computer science courses.

December 2004- September 2005 : Programmer and responsible of Training

High Institute for Islamic Education and Research (ISERI)-Nouakchott – Mauritania.

July 2003- March 2004: Programmer in the department of information technology

National Bank of Mauritania-Nouakchott- Mauritania

Scholarships

December 2006: Awarded Scholarship from the French Cooperation for Ph.D .

June 1998: Awarded Scholarship from the Government of Mauritania for B.Sc .

Teaching

I taught the following courses:

1. Artificial Intelligence
2. Human Computer Interaction
3. Programming Language
4. Discrete mathematics
5. Simulation and modeling
6. Algorithm
7. Data structure
8. Operating Systems
9. Data Base
10. Computer Graphics
11. Computer Architecture
12. System analysis
13. Cloud computing
14. Web application
15. Database management system
16. Mobile Application Development

Consulting, Scientific, and Academic Activities

- Reviewer at the King Khalid University -Deanship of research.
- Consultant at the deanship of quality and accreditation –Albaha University

- Chair of community service unit at college of computer science and IT- albaha university

- Member in the committee for Developing and managing the master program in artificial intelligence at college of computer science and IT-Albaha University.
- Head of quality unit – college of computer science –King khalid university.
- Consultant at the deanship of E-learning-Albaha University.

Conferences and training Activities

- **Nov 17th2013:** Cloud Computing Tutorial, the 2nd Saudi international Conference on Information Technology,KACSTIT2013.

- **Nov 17th2013:** Machine Learning Tutorial, the 2nd Saudi international Conference on Information Technology,KACSTIT2013.

- **Nov 17th2013:** High Performance Computing Tutorial, the 2nd Saudi international Conference on Information Technology,KACSTIT2013.

- **Sep 14th2013 and May 14th2014:** ABoLT Diploma, Scholarly Teaching In computing and Engineering- Uppsala University-Sweeden.

- **December 5-6, 2014**, Fundamentals of Program Assessment Workshop, ABET.

- **March 5th2013,** Developing Research Abilities: Idea Formulation Management, Kacst-Rioyadh-KSA.

- **21-22/5/1432,6-7/1432,Nov and 21,2012 :**Training on Accreditation and Quality(Course description, course report, self study report).
  King Khalid University-Abha-KSA

- **22-23/6/1436 :** Workshop on Learning Outcomes for Programs and courses. National Commission For Academic Accrediation & Assessment(NCAAA)

- **21-24/3/2010 :**Fourth Saudi Science Conference, Taibah University- Almadinah-KSA

- **30/3/2009 to 3/4/2009** : School of young researchers in computer science and mathematics EJCIM2009. Clere-mont ferand University- Aubiere- France.

- **13-19/3/2008** : International Conference on Language and Automata Theory and Application (LATA2008). Tarragona-Spain

- **Sept 2007 :Games07**, International conference on game theory and application. Lausane- Swizerland

Research Interest

Artificial Intelligence,

Game theory,

Machine learning

Cloud Computing

Multi- Agent Systems

Publications

[1] A Study for Remote Monitoring of Water Points in Mauritania Based on IoT (LoRa) Technology, Hassine Ali Abeidi , Bedine Kerim , Mohamedade Farouk Nanne

Indonesian Journal of Electrical Engineering and Informatics (IJEEI) Vol. 10, No. 2, June 2022, pp. 398~409 ISSN: 2089-3272, DOI: 10.52549/ijeei.v10i2.3733

[1] Important Features of CICIDS-2017 Dataset For Anomaly Detection in High Dimension and Imbalanced Class Dataset, Kurniabudi Kurniabudi , Deris Stiawan , Darmawijoyo , Mohd Yazid bin Idris , Bedine Kerim , Rahmat Budiarto, Indonesian Journal of Electrical Engineering and Informatics (IJEEI), Vol. 9, No. 2, June 2021, pp. 498~511, ISSN: 2089-3272, DOI: 10.52549/ijeei.v9i2.3028

[2] Securing Iot Network against DDoS Attacks using Mult-Agent IDS,Bedine KERIM, The 4th International Conference on Computing and Applied Informatics (ICCAI 2020).

[3] Enhanced Deep Learning Intrusion Detection in IoT Heterogeneous Network with Feature Extraction, Sharipuddin , Eko Arip Winanto , Benni Purnama , Kurniabudi,Deris Stiawan , Darmawijoyo Hanapi , Mohd. Yazid Idris , Rahmat Budiarto , Bedine Kerim, Indonesian Journal of Electrical Engineering and Informatics (IJEEI), Vol. 7, No. 1, March 2019, ISSN: 2089-3272, DOI: 10.11591/ijeei.v7i1

[4] A Comprehensive Overview of Privacy and Data Security for Cloud Dr. Nikhat Akhtar*1 , Dr. Bedine Kerim2 , Dr. Yusuf Perwej3 , Dr. Anurag Tiwari4 , Dr. Sheeba Praveen5, International Journal of Scientific Research in Science, Engineering and Technology, ISSN: 2395-1990, doi : https://doi.org/10.32628/IJSRSET21852

[5] An Approach for Systems Optimizing Ensemble Intrusion Detection, Deris Stiawan1 , Ahmad Heryanto2 , Ali Berdadi3 , Dian Palupi Rini4 , Imam Much Ibnu Subroto5 , Kurniabudi6 , Mohd. Yazid Idris7 , Abdul Hanan Abdullah8 , Bedine Kerim9 , Rahmat Budiarto, IEEE Ac

[6] the Accuracy of Under-Fog Driving Assistance System, Bedine KERIM

Journal of Signal and Information Processing, 2020, 11, 23-33

https://www.scirp.org/journal/jsipISSN Online: 2159-4481ISSN Print: 2159-4465DOI

[7] Empirical Exploration of the Yarn in Big Data
Yusuf Perwej, Bedine Kerim, Mohmed Sirelkhtem, Osama E. Sheta
International Journal of Applied Information Systems (IJAIS) – ISSN : 2249-0868 Foundation of Computer Science FCS, New York, USA Volume 12 – No. 9, December 2017 – www.ijais.org.

[8] Comprehend TheApache Flink In Big Data Environments
     Dr.Yusuf Perwej1* , Md.Husamuddin2 , Dr. MajzoobK.Omer3 ,Dr.Bedinekerim
IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 20, Issue 1, Ver. IV (Jan.- Feb. 2018), PP 48-58.

[9] Cheikh Dhib, Ameur Soukhal, Emmanuel Néron, Hafedh Mohamed-Babou, Bedine Kerim,

   A bi-objective algorithm for a reactive multi-skill project scheduling problem.
INTERNATIONAL   JOURNAL   OF   COMPUTERS   &   TECHNOLOGY Vol 15, No 11: IJCT,pp 7202-7212
[10] Ibrahim Alghamdi, Dhafer Ali F. Alshehri, Abdullah Alghamdi, Bedine Kerim, Rahmat Budiarto, Cloud-Based Retrieval Information System Using Concept for Multi-Format Data.
Computer and Engineering Applications-Journal Vol 5, No 1 February (2016)

[11] Arfi, B.Ould M Lemine and C.Selmi . "Strategical language of infinite words." (Information Processing Lettres IPL 2009), Volume 109 -PP 749-753

[12] Rahmat Budiarto, Bedine Kerim,Optimal Clustering in Wireless Sensor Network Using Integer/Linear Programming. Proceedings ICTEE 2016.

[13] Ibrahim Alghamdi, Abdullah Alghamdi, Bedine Kerim, Rahmat Budiarto, Autonomous-Collaborative Mobile Cloud Resource Management System

Proceedings of the international conference on innovation entrepreneurship and technology ICONIET 2015,BSD City ,Indonosia,25-26 November 2015

ISSN 2477-1538

[14] Energy-aware optimal clustering in wireless sensor network using integer/linear programming
Zahra Eskandari ; Seyed Amin Hosseini Seno ; Deris Stiawan ; Bedine Kerim ; Rahmat Budiarto
2016 8th International Conference on Information Technology and Electrical Engineering (ICITEE) Publisher: IEEE

[15] Teaching and Learning Computer Science at Al Baha University, Saudi Arabia: Insights from a Staff Development Course
Anders Berglund ; Arnold Pears ; Aletta Nylén ; Farooq Ahmad ; Bader Alghamdi ; Khalid Alghamdi ; Ahmed Alhabish ; Abdullah Aljoufi ; Eidah Alzahrani ; Rami Alzahrani ; Ismat Aldmour ; Areej Athama ; Hamada Shihab Alsadoon ; Rahmat Budiarto ; Abdul Hafeez ; Nadeem Hassan Daudpota ; Dhafer Faiz ; Lubna Abdel Kareim Gabralla ; Mohammad Gamar ; Abdul Hannan ; Bedine Kerim ; F.A. Mazarbhuiya ; Ahmed Rabea ; Muhammad Qaiser Saleem ; Nimir Saleh ; Mohamed Shenify

2015 International Conference on Learning and Teaching in Computing and Engineering LaTiCE2015 Taipei, Taiwan Publisher: IEEE

[16] Ibrahim Alghamdi, Abdullah Alghamdi, Bedine Kerim, Rahmat Budiarto,

 Autonomous-Collaborative Mobile Cloud Resource Management System

Proceedings of the international conference on innovation entrepreneurship and technology ICONIET 2015,BSD City ,Indonosia,25-26 November 2015
ISSN 2477-1538

[17] M.Arfi, B.Ould M Lemine and C.Selmi. "Abased words and automata model for infinitely repeated games ".

ESMC08 -Le havre-France :European Simulation and Modeling Conference, PP 307-311   EUROSIS-ISBN 978-90-77381-44-1.

[18] M.Arfi,B.Ould M Lemine and C.Selmi ." Using infinite words to model Nash equilibrium in infinitely repeated games".
ACEA08 Al-Balqa-Jordan.: International workshop on advanced Computation Engineering   Application , pp 146-150 .
[19] M.Arfi,B.Ould M Lemine and C.Selmi. " Mixed strategies and closed sets of infinite words".

The 7th International Conference on Words -Salerno-Italy (14-18 September 2009).

[20] Impact of Mathematics in computer education, **Bedine KERIM**
Albaha University-Uppsala university Symposium on Quality in Computer Education
ABU3QCE 2015 –Albaha- February 24th and 25th 2015

[21] 5/2011 : – المؤتمر الدولي لعلوم وهندسة الحاسوب باللغة العربية- الرياض – السعودية
ورقة بعنوان "الألعاب المكررة و الكلمات اللا متناهية "

Research Funded Projects (Grants):

✓ Infrastructure –less Fog Driving Assistance System Using Smartphone

Financing by Albaha University (43.000 Riyals)

Team: PI: Adel alharthi, Co-PI: Rahmat Budiarto and **Bedine KERIM.**

✓ Research visit –Centre for mobile cloud computing research (C4MCR)-University of Malaya-Malaysia.
Project title: "Adaptive Agent resource management in mobile computing"
Date of visit: August 2017-october 2017

Referees

- **Prf.Dr. Cyrille BERTELLE**
  Head of Computer Science Department- Le havre University-France
  Cyrille.bertelle@univ-lehavre.fr

- **Dr. Carla Selmi,** Depatment of computer science
  University of Rouen- France
  Carla.selmi@univ-rouen.fr

- **Prof.Dr. Rahmat BOUDIARTO**
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  rahmat@bu.edu.sa