Ahmed Ech-Cherif, Ph.D

Department of Management Information Systems, School of *Business*, *King Faisal* university P.O. Box 400 Al-Ahsa –Kingdom of Saudi Arabia

email: aelcherif@kfu.edu.sa （a.echerif@alum.rpi.edu） Tel (966)-35896157 (ext. 6157) Mob: (966)-5688-23635

ACTUAL POSITION	Associate Professor of Management Information Systems https://www.kfu.edu.sa/en/colleges/business-administration/collegedepartments/pages/informationdep5.aspx

EDUCATION

Rensselaer Polytechnic Institute, Troy, New York, USA

■ Doctor of Philosophy (Ph.D.) in Mathematical Programming   May 1985

Thesis: Rank-Two and Variable Bounds ellipsoid Algorithms for Convex Programming under the supervision of Professor Joseph. G. Ecker and Dr. M. Kupfershmid (Prof. C.E. Lemke -examining committee)

- Rensselaer Libraries' Catalog : http://opac.lib.rpi.edu/search/a?SEARCH=ech-cherif

Rensselaer Polytechnic Institute, Troy, New York, USA

■ Masters of Science (M.SC.) in Operations Research and Statistics   Dec 1982

University of Sciences and Technology of Algiers, USTHB Algiers, Algeria

■ Bachelor of Science in Computer Science (Minor : Operations Research and Statistics)   June 1980

RESEARCH INTERESTS

Global Optimization (both Algorithmic and Applications), Artificial Intelligence, Machine Learning (Deep Learning), Robust Design, Business Intelligence, Information Retrieval, Intelligent Deployment of Software Components

RESEARCH EXPERIENCE

General Motors Research Laboratories, Warren, Michigan USA   June 1985-

■ Senior Research Scientist   Jan 1987
  Conducted successful Research projects in Robust Design , Minimum Variation and Taguchi Methods.
  Developed (with Dr. Hilario Oh) a novel implementation of the concept of Robust Design.

College of Business and Economics Journal -Qassim University
http://en.cbe-qu.edu.sa/journal/college_journal%20.html#.XNB9sJMzab8
■ Journal Referee   May 2018

University of Sciences and Technology, USTO-MB Oran, Algeria
■ LAMOSI-Research Center Director   Jan 2003-
■ Doctorate Research Supervisor (supervised 3 Ph.D's in Machine Learning   Aug 2007
  and Information Retrieval, in addition to more than 5 Master's of Science)

King Faisal University, Kingdom of Saudi Arabia
■ MBA Thesis Supervisor (supervised 3 Master's theses in the College of   Jan 2013-
  Business)   Present

CITATIONS

■ **Google Scholar 71 Citations (in 2019**) (h-index 5)
  https://scholar.google.com.au/citations?user=MgjLb9UAAAAJ&hl=en
■ **DBLP Computer Science Bibliography (9 entries):**
    http://www.informatik.uni-trier.de/~ley/db/indices/a-tree/e/Ech=Cherif:Ahmed.html
■ **Association of Computing Machinery Digital Library (7 entries**):
    http://portal.acm.org/results.cfm?coll=guide&dl=GUIDE&query=Ahmed+Ech%2DCherif&short=1

JOURNAL PUBLICATIONS

1- The International Arab Journal of Information Technology, IAJIT ISSN: 1683-3198

■ A. Brahmi and **A. Ech-cherif** "An Arabic Lemma Based stemmer for Latent Topic Modelling", /Vol. 10, No. 2, March 2013 (IMPACT FACTOR:**0.841**)

2- Information Retrieval, Volume 15, Number 1 (2012), 33-53,

DOI: 1007/s10791-011-9171-y   ISSN: 13864564; ISSN: 1386 4564;

ISSN: 1386- 4564 (IMPACT FACTOR:**1.841 : 18 citations**)

■ A. Brahmi and **A. Ech-cherif** "Arabic texts analysis for topic modeling evaluation " (**13 citations)**

3- Journal of Computer Science and Engineering, Phillips Publishing ISSN 1936-0525

■ **A. Ech-cherif**, M. Kohili " A New efficient Multiclass Support Vector Machine for Speech Recognition" Volume 1 Issue 3 (2008) 20-35.

4- Mathematical Programming, NORTH-HOLLAND, ISSN 0 025-5610
■ **A. Ech-cherif** and J.G. Ecker, "A class of rank-two ellipsoid algorithms for convex programming " Mathematical Programming 29 (1984) 187-202

5- Mathematical Programming, NORTH-HOLLAND, ISSN 0 025-5610
■ **A. Ech-cherif**, J.G. Ecker and M. Kupferschmid , "A numerical investigation of rank-two ellipsoid algorithms for nonlinear programming **"** Mathematical Programming 43 (1989) 87-95

CONFERENCE PUBLICATIONS

1- IOS 2020 INFORMS Optimization Society Conference 2020 -March 15-17, 2020, Greenville, SC, USA
■ **A. Ech-cherif** , Hilario L. Oh and M, Denai "An Integer, Bound Constrained Polynomial Programming Algorithm for Axiomatic Design" submitted

2- ICCAIS 2019 Second IEEE International Conference on Computer Applications Information Security Riyadh, Kingdom of Saudi Arabia, May 2019
■ **A. Ech-cherif** , M. Mohammed and M. Ech-cherif "Deep Neural Network based Mobile Dermoscopy Application for Triaging Cancer Detection" Presented and accepted for publication in an IEEE journal

3-M-Gov 2012 First Saudi Mobile Government Conference (jointly organized by Al Hassa Chamber of Commerce and King Faisal University– March 2012
■ **A. Ech-Cherif** "Quality Based Content Delivery for Mobile Government"

4- ICAISC 2008 The Ninth International Conference on Artificial Intelligence   and Soft Computing, June 22-26, 2008 Poland (published in Artificial Intelligence and Soft Computing   ICAISC 2008 **of Springer Lecture Notes in   Computer Science**
■ A. Zemirline, L. Lecornu, B. Solaiman, **A. Ech-Cherif** "An Efficient Association Rule Mining Algorithm for Classification"

5- CSPA 2008   The fourth International Conference on Computer Science Practice in Arabic, Doha, Qatar, April 1-4, 2008
■ **A. Ech-cherif**, M. Kohili " A New efficient Multiclass Support Vector Machine for Speech Recognition" (accepted for presentation)

6- ICTAI (2) 2007   IEEE International Conference on Tools with Artificial Intelligence Patras, Greece, October 29-31 2007
■ Mahmoud Zennaki, **Ahmed Ech-Cherif** and Jean-Charles Lamirel "Using Reactive Tabu Search in   Semi-supervised Classification". ICTAI (2) 2007: 340-344

7- GMAI 2006 International Conference on Geometric Modeling and Imaging (**GMAI 2006** 5-7 July **2006**, **London**
■ Mahmoud Zennaki, **Ahmed Ech-Cherif** and Jean-Charles Lamirel:
 " A Tabu Search Meta-Heuristic for Image Semi-Supervised Classification."
 GMAI 2006 239-243

8- AI' 2005 Eighteenth Canadian Conference on Artificial Intelligence May 9-11 University of Victoria, British Columbia Canada
■ A. Brahmi and **A. Ech-cherif**, "Regularized Least Squares Classifiers for Information Retrieval "

9- ACIT   02   Arab International Conference on Information Technology December 15-18, 2002 University of Qatar, Doha
■ **A. Ech-cherif**, M. Kohili "Lagrangian Support Vector Machines for pair wise phoneme classification

10- ICONIP '02 9th International Conference on Neural Information Processing November 18-22, 2002 Orchid Country Club, Singapore
■ **A. Ech-cherif**, M. Kohili "Lagrangian Support Vector Machines for Phoneme classification"

PROFESSIONAL EXPERIENCE	**1- King Faisal University, Kingdom of Saudi Arabia** ■ Member of the Editorial Board of King Faisal University Scientific Journal	Nov. 2019-Nov. 2021
	1- King Faisal University, Kingdom of Saudi Arabia ■ Senior Administrator, Oracle Workforce Development Program of King Faisal University Certification Program (Java SE 8 certification)	July. 2017-Present
	2- King Faisal University, Kingdom of Saudi Arabia ■ Assistant Head (Department Coordinator) of the Management Information Systems Department • Organized and participated in Accreditation Workshops • Prepare the Minutes of Meetings	Sept. 2013-Sept 2017
	3- King Faisal University, Kingdom of Saudi Arabia ■ Associate Professor in the Dept. of Management Information Systems, College of Business . **-** Teaching courses in : • Business Process Reengineering • Enterprise Resource Planning • Management Information Systems	Oct. 2009-Present

- Enterprise Data Management
- E-business
- Business Programming (Java)
- Supervising Masters Thesis in the MBA program

3- King Faisal University, Kingdom of Saudi Arabia
■ Enterprise Resource Planning Project Supervisor - Deanship of Information Technology

Jan. 2010- June 2017

- Supervised Oracle E-Business Suite implementation at King Faisal University :
  - Reviewed and Approved Oracle A.I.M deliverables
  - Directed Conference Room Pilot sessions
  - Assisted in the Development of Project Communication Plan
  - Interviewed Oracle Technical and Functional candidates

4- Rensselaer Polytechnic Institute, Troy NY USA
Visiting Scholar
■ Taught part of the graduate Computational Optimization Course MATP 482/691 DSES 478/691 (with Prof. J.G. Ecker)

Spring 2005

5- Rensselaer Polytechnic Institute, Troy, NY, USA
■ Research Associate
 Conducted Research on Implementation of Ellipsoid Algorithms with Prof. J.G. Ecker

May 1985- Aug 1985

6- General Motors Research Laboratories, Warren, Michigan USA
■ Senior Research Scientist
 Conducted successful Research projects in:

Aug. 1985- Jan 1987

- Taguchi Parameter Design via non linear programming (with Dr. Hilario Oh)
- Parallel ellipsoid algorithms on the Intel Hypercube (with Prof. J.G. Echer and Dr. M. Kupferschmid of RPI, Troy, NY)

7-Rensselaer Polytechnic Institute, Troy, NY, USA
■ Research Associate
 Conducted Research on Implementation of Ellipsoid Algorithms (with Prof. J.G. Ecker)

May. 1985- Aug 1985

8-Rensselaer Polytechnic Institute, Troy, NY, USA
■ Research Assistant
Assisted in teaching and graded under-graduate courses in :
- Applied Probability and Stochastic Processes (four hundred- level course)
- Operation Research I & II (four hundred -level course)

Sep. 1983- May 1985

9- University of Sciences and Technology, USTO-MB Oran, Algeria
■ Associate Professor and LAMOSI Research Lab Group Leader
- Taught graduate and under-graduate courses in :
  - Foundations of Machine Learning (graduate course)

Sept. 2002- June 2008

- Operation Research I & II
- Data Structures (I & II)
- DBMS
- Advanced Numerical Methods (graduate)

10- University of Sciences and Technology, USTO-MB Oran, Algeria

■ Assistant Professor
  - o Taught graduate and under-graduate courses in :
  - Automata and Language theory
  - Computer Languages
  - Computability
  - Algorithmic Numerical Methods
  - Operation Research I & II
  - Probability and statistics

Sept. 1997-
Aug 2002

11- University of Sciences and Technology, USTHB-Algiers, Algeria

■ Lecturer in the College of Sciences

Sept.. 1987-
Aug 1997

COMMITTEES

1- King Faisal University, Kingdom of Saudi Arabia
■ Member of the Department Certification Program Committee (Java SE 8 certification)
  Coordinate with Oracle Workforce Program
  Monitor Student Progress using the e-Kits
  Collaborate with Oracle in organizing the final Certification Exams in collaborat

June 2017
Present

2- King Faisal University, Kingdom of Saudi Arabia
■ Member of the MIS Program Accreditation Committee (Abet, NCAAA)
  - Organized and participated in Accreditation Workshops
  - Participated in Accreditation Meetings
  - Discussed with Accreditation reviewers
    Issues related to the MIS Program

Sept. 2010-

3- King Faisal University, Kingdom of Saudi Arabia
■ Member of the College Admission and Registration Committee
  - Assign MIS courses to faculty members
  - Participate in the College Registration
    Committee meetings
  - Discussed with Accreditation reviewers
    Issues related to the MIS Program

Sept. 2013-
Sept. 2018

4- King Faisal University, Kingdom of Saudi Arabia
■ Member of the College Course Plan Committee

Nov. 2018-
Oct. 2019

5- King Faisal University, Kingdom of Saudi Arabia

■ Member **of the Master's Program in Data Analytics Committee**　　　May 2018-
(Management   Information Systems Department)
- Participated in the development of the Data Analytics Curriculum

COMPUTER SKILLS

Operating Systems: Unix, Linux, Windows, MacOSX; Languages: Java, C++, Matlab

LANGUAGES

Fluent in : English, Arabic and French

HONORS

Sigma XI Research Society elected Member in 1986; Chevrolet-Pontiac-Canada Group Recognition for the Development of the concept of tolerant Design Sept. 1986, Program Committee Member CSPA 2008, Doha, Qatar

REFERENCES

■ **Dr**. **Joseph G. Ecker** Professor , Mathematical Sciences Department, Rensselaer Polytechnic Institute ,Troy, New York USA
E-mail: eckerj@rpi.edu , Phone: 518-276-6383 ,FAX: 518-276-4824

■ **Dr**. **Michael Kupferschmid** Information Technology Services, 322 Voorhees Computing Center, Rensselaer Polytechnic Institute, Troy NY 12180-3590 Telephone: (518)276-6558 E-mail : kupfem@rpi.edu