

Egyptian Informatics Journal

Faculty of Computers and Information

Cairo University

Editor-in-Chief

Iman Aly Saroit Ismail

Dean of Faculty of Computers and Information,
Cairo University, Egypt
E-mail: EIJ_EIC@fci-cu.edu.eg

Executive Editor

Mahmoud Ahmed Ismail Shoman

Vice Dean for Higher Education and Research,
Faculty of Computers and Information,
Cairo University, Egypt
E-mail: EIJ_EE@fci-cu.edu.eg

Associate Editors

Hisham M. Abdelsalam

Department of Operations Research and Decision Support,
Faculty of Computers and Information,
Cairo University, Egypt
E-mail: EIJ_DS@fci-cu.edu.eg

Hoda Mokhtar Omar Mokhtar

Department of Information Systems,
Faculty of Computers and Information,
Cairo University, Egypt
E-mail: EIJ_IS@fci-cu.edu.eg

Mohamed Ahmed Wahby

Department of Information Technology,
Faculty of Computers and Information,
Cairo University, Egypt
E-mail: EIJ_IT@fci-cu.edu.eg

Nouh Sabri Elmitwally

Department of Computer Science,
Faculty of Computers and Information,
Cairo University, Egypt
E-mail: EIJ_CS@fci-cu.edu.eg

Editorial Board

Hoda Mohamed Onsi Ali

Department of Information Technology,
Faculty of Computers and Information,
Cairo University, Egypt
E-mail: h.onsi@fci-cu.edu.eg

Ihab Ilyas

Cheriton School of Computer Science,
University of Waterloo, Canada
E-mail: ilyas@uwaterloo.ca

Amr El-Abbadi

Department of Computer Science,
University of California,
Santa Barbara, USA
E-mail: amr@cs.ucsb.edu

Reda Abdul-Wahab Ahmed

Department of Information Technology,
Faculty of Computers and Information,
Cairo University, Egypt
E-mail: r.abdelwahab@fci-cu.edu.eg

Amer Youssef

Computer Science Department,
Concordia University,
Canada
E-mail: youssef@ciise.concordia.ca

Hossam S. Hassanien

School of Computing and Department
of Electrical and Computer Engineering,
Queens University,
Kingston, Ontario, Canada
E-mail: hossam@cs.queensu.ca

Seif Haridi

School of Information and
Communication Technology,
KTH Royal Institute of Technology,
Sweden
E-mail: seif@imit.kth.se

Reem Mohamed Reda Bahgat

Department of Computer Science,
Faculty of Computers and Information,
Cairo University,
Egypt
Email: r.bahgat@fci-cu.edu.eg

Khairy A.H. Kobbacy

School of Built Environment,
University of Saltford, UK
E-mail: kobbacyk@gmail.com

Administrative Secretary

Mrs. Karima Abd El-Azim Aly Kassab

5 Ahmed Zewail St., Orman, Giza, Egypt
Tel.: +(202) 33381687; Fax: +(202) 33350109
E-mail: EIJ@fci-cu.edu.eg

Mrs. Shereen Ahmed Mohamed Khaliel

5 Ahmed Zewail St., Orman, Giza, Egypt
Tel.: +(202) 33381687; Fax: +(202) 33350109
E-mail: EIJ@fci-cu.edu.eg

For Subscription and Contributions:

Prof. Mahmoud Ahmed Ismail Shoman

Faculty of Computers and Information,
Cairo University, Egypt
5 Ahmed Zewail St., Orman, Giza,
P.O. Box 12613, Egypt
Tel.: +(202) 33381687; Fax: +(202) 33350109
E-mail: EIJ@fci-cu.edu.eg
Faculty Home Page: www.fci.cu.edu.eg