

# EGYPTIAN INFORMATION Magazine CompuNet

Specialized Scientific  
Cultural Refereed Journal For  
Authorized Scientific Articles

Issued By the Egyptian Society for  
Information Systems and Computer  
Technology (ESISACT)  
Approved Issuance and Licensed by  
Higher Journalism  
Council dated 5/11/1998

Former President of the Editorial  
Board

Prof. Dr.

**Mohamed M. El Hadi**

Vice Former President

Prof. Dr.

**Alaa El Din M. El Ghazali**

Chief Editor

**Sayed Alhady**

Art Director

**Dr. Abdulkareem.M**

Director General

**Hossam ELsobky**

Editorial Staff

**Dr. Ahmed Zidan**

**Dr. Enas Elshety**

**Dr. Hussein Moselhy**

**Dr. Ahmed M. Amer**

## Correspondences

P. O. Box No. (2083), Cairo 11511, Egypt  
Email: [esisact\\_08@yahoo.com](mailto:esisact_08@yahoo.com)  
[mohamed.m.elhadi@gmail.com](mailto:mohamed.m.elhadi@gmail.com)  
Web Sites: [www.esisact.org.eg](http://www.esisact.org.eg)  
[www.facebook.com/esisact](http://www.facebook.com/esisact)

Depository Law, Registration  
No. 6887/1999  
ISSN 2356-9697

Cited and Documented by  
EBSCO Database

## Scientific Consultative Committee Members

**Prof. Dr. Abdelbadeeh M. Salem**

Prof. Emeritus of Computer Science, Faculty of Computers and  
Information, Ain Shams University

**Prof. Dr. Abdellatif Elgazzar**

Prof. emeritus of Educational Technology, Girls College,  
Ain Shams University

**Prof. D. Alaa El-Din M. El Ghazali**

Prof. of Information Systems and Former President of Sadat  
Academy for Management Sciences

**Prof. Dr. Gamal M. Aly**

Prof. of Software Engineering, Faculty of Engineering,  
Ain Shams University

**Prof. Dr. Magdy H. Abouella**

Prof. of Computer Science, Sadat Academy Vice Former President

**Prof. Dr. Mohamed Abdelhameed Ahmed**

Prof. Emeritus of Educational Technology, Faculty of Education,  
Helwan University

**Prof. Dr. Mohamed Fahmi Tolba**

Prof. Emeritus of Computer Science, Faculty of Computers and  
Information, Ain Shams University, Former President of Scientists  
Syndicate

**Prof. Dr. Mohamed Fathy Abdelhady**

Prof. Emeritus of Library and Information Science,  
Faculty of Arts, Cairo University

**Prof. Dr. Mohamed Magdy Kabeil**

Prof. Emeritus of Computer Science, Sadat Academy for  
Management Sciences

**Prof. Dr. Mohamed M. El Hadi**

Prof. Emeritus of Information Systems, Sadat Academy for  
Management Sciences

**Prof. Dr. Nashaat El Khamisy Mohamed**

Prof. Emeritus of Computer and Information Systems,  
Sadat Academy

**Prof. Safaa Sayed Mahmoud**

Prof. of Information Technology in Education,  
Faculty of Specified Education, Ain Shams University

**Prof. Dr. Sherif Kamel Shahin**

Prof. of Library and Information Science and  
Deputy Dean of the Faculty of Arts, Cairo University