

Curriculum Vitae

SAMIR EL-YAMANY SWEDAN

Personal Information

Birth : Nov 7, 1952
Nationality : Egyptian
Marital Status : Married, 4 children
Current Position : assistant Professor, Electronics & Communications
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Education Qualifications

April 1986 **Ph.D** degree in electrical and electronics engineering,
Strathclyde University, Glasgow, UK.
Research area : Computer communications networks -
access techniques, protocols and performance.
Advisor: Prof. David J. Smith
May 1982 **M.Sc** degree in electrical and electronics engineering,
Strathclyde University, Glasgow, UK.
Research area : Computer networks – Routing strategies.
June 1975 **B.Sc** degree in electrical engineering – wireless
communications, Helwan University, Cairo, Egypt.
(Grades: Distinction with Honor degree).

Research Interests

Broadly interests in communication systems and Networking with an emphasis on wireless communications. Research work has included Ultra wideband communication networks, QoS over wireless links, Orthogonal Frequency Division Multiplexing (OFDM).

Academic and Professional Experience

1986 - Current: A faculty member of the electronics and communications Eng. Dept., of the Faculty of Engineering Helwan University, Assistant Professor.

1987-2002: Joining, part time, the National Telecommunications Institute (NTI) as a consultant in the domain of network planning.

1992 - 1995: On leave at the faculty of communications, Post - Telephone and Telegraph (PTT) ministry, Saudi Arabia, as a training expert in date exchange and transmission dept..

1998 - 2002: Teaching, part time, at the 6th October University, Department of computer engineering.

2001 - 2002: Teaching, part time, at the Ain shams University, Faculty of Engineering, electrical engineering Dept.

2000 - 2001: Teaching, part time, at the Information Technology Institute (ITI), post-graduate course (data communication networks).

2002 - 2007: On leave at the faculty of technology, king Khalid, as an associate professor and acting head of industrial electronics and control dept.

2008 - current : Teaching, part time, at the 6th October University, Department of computer engineering.

Teaching experience:

Under-graduate courses: Information and communications networks
- Communication theory & systems-Signal analysis - Satellite

Communications - Information theory and coding - Wireless Communications
- Network security and data encryption - Digital Communications - Data
Structure and Algorithms - Projects.

Post-graduate courses: Advanced Information and communications
networks - Statistical communication systems - Network management and
security - CATV system - Digital transmission techniques,

Teaching activities:

- Designed a new course in “ Wireless communications” at electronics
& communications Dept., Helwan Univ. in 1995 supplemented by
extensive course notes.
- Introduced “Data communication networks” into electronics &
communications Dept. syllabus in 1989.
- Designed and taught a special training course in communication
systems and telemetry for Transportation Ministry’s engineers
through the NTI programs.
- Taught several training courses for engineers through (NTI) training
programs (petroleum companies, Egypt-Telecom, and others).