

**Menoufia University**  
**Faculty of electronics engineering**  
**Dept. of Electronics and Electrical Communication**



### CV

**Name :** Sami Abd- El-Moneim El-Dolil  
**Date of Birth :** 6 - 4 - 1954  
**Place of Birth :** Ashmoun – Meoufia  
**Religion :** Muslem  
**Nationality :** Egyptian  
**Status :** Married with two sons  
**Occupation :** Assistant Professor  
**Qualifications :** B Sc in Electronic Engineering, May 1977,  
M Sc in Comm. Engineering, at 9 - 2 - 1982,  
Ph D in Comm. Engineering at 8 - 1 - 1989  
Demonstrator in the Faculty of Electronics Eng.  
from 6-12-1977 to 11-4- 1982,  
Assistant Lecturer in the same Faculty from  
11-4-1982 to 16-7-86.  
Ph D student in Southampton University,  
England, UK., from 16-7-86 to 24 -7-1988 to  
Complete the external part of his Ph D,  
Lecturer at the Faculty at 30-4-1989.  
Assistant professor from 27 - 12 - 1994 of Mobile  
Communications  
Department of Electronics and Electrical comm.  
Faculty of Electronics Engineering, Menoufia  
University, EGYPT.  
March 1995 to July 1999, Associate Professor at the  
High Institute of Industry, Misurata, LIBYA.  
July 1999, up to now, Assistant Professor of Mobile  
Communication.  
Department of Electronics and Electrical  
Communication Faculty of Electronics Engineering  
Menoufia University 32952, Menouf, Egypt.

**Scientific Missions:** Scientific Mission to Southampton University for two  
years to study the developments in Mobile Comm. Eng.  
from 3-10-1991 to 3-10-1993.

#### **Professional Career Experience;**

Teaching the following academic education courses for undergraduates;

- Telecommunication Network Planning
- Communication Engineering
- Satellite communication
- Mobile communication
- Information Theory & Coding
- Random variables and Stochastic Process
- Computer Networks
- Digital Exchanges
- Probability & Statistics

In addition, I'm involved in several administrative, academic, and cultural activities in the University, include:

- Supervising B Sc Projects,
- Supervising M Sc Thesis,

- **Supervising Ph D Thesis,**
- **Member of Different Faculty Committees such as; Faculty management Committee  
Electronics and Electrical Communication Committee  
Cultural affairs Committee,  
Community services and Environmental affairs Committee, Faculty Library Committee, Computer science affairs Committee.**
- **Member of many committees for Laboratories Development.**
- **Member of the test and evaluate the Base Stations Radiation and its effect on Human Health Committee in Menoufia State.**

**List of Publications**

- [1] Aldridge R. P., Steele R. and **EL-Dolil S. A.**, "Strategies for Combating Base Station Failure in Highway Micro cellular Clusters", *Electronics letters*, Vol. 24, No. 2. October 1988, pp. 1339 - 1340, UK,
- [2] **El-Dolil S. A.**, Wong W. C. and Steele R., "Teletraffic Modelling and Performance of Highway Micro cells ", *Proc. of Singapore ICCS' 88*, 31 October - 3 November 1988. pp. 3.3.1 - 3.3.5, SINGAPORE
- [3] **El-Dolil S. A.**, Wong W. C. and Steels R., "Teletraffic Performance of Highway Micro- cells with Overlay Macro cell ", *IEEE JSAC, Special Issue on Portable and Mobile Communications*, SAC-7, No. 1. January 1989 pp. 71 - 78, , USA.
- [4] Steele R. , Nofal M. and **El-Dolil S. A.**, "Adaptive Algorithm for Variable Teletraffic Demand in Highway Micro cells". *Electronics Letters*, Vol. 26, No. 14. 5th July 1990, pp. 988 – 990, UK.
- [5] **El-Dolil S. A.**, "Improvement of Teletraffic Performance of Highway Micro cells using Adaptive Priority Concept". *Proc. of Singapore ICCS\* 90*, 5-9 November 1990. pp. 14.4.1 -14.4.5, SINGAPORE.
- [6] **El-Dolil S. A.** and El-Fishawy A. S., "Quality of Service Evaluation for Microcellular Mobile Radio Systems". *Electronic Engineering Bulletin, Faculty of Electronic Engineering. The University of Menoufia*, No. 2, July 1991. pp. 12 - 23, EGYPT.
- [7] El-Fishawy A. S. and **El-Dolil S. A.**, "A Recursive Normalized Two Dimensional Least Mean Square Adaptive Algorithm", *Electronic Engineering Bulletin, Faculty of Electronic Engineering, The University of Menoufia*, No. 2, July 1991, pp. 1 - 11, EGYPT.
- [8] Nofal M. and **EL-Dolil S.**, "Enhancement of Service Quality of Micro-cellular Mobile Radio Systems", *Proc. Of the 11<sup>th</sup> National Radio Science Conference, (11<sup>th</sup> NRSC' 94)*, March 22 - 24. 1994. pp. 16.1 - 16.6, Cairo, EGYPT.

- [9] **El-Dolil S.**, "Mobile Radio Network with Fuzzy Area", *Proc. Of the 19<sup>th</sup> International Conference for Statistics. Computer Science and Social Applications*, 9 - 14 April, 1994, pp. 229 - 246, Cairo. EGYPT
- [10] **EL-Dolil S.**, "Spectral Efficiency in cellular Radio with Flexible Teletraffic", *Proc.of International AMSE Conference, "EngineeringProblems". ENG'94*. 18 - 20 April 1994, pp. 71 - 77, Manama, BAHRAIN.
- [11] **El-Dolil S.**, "Simulation of An Indoor Mobile Radio Communication Network", *Proc. of the 1<sup>st</sup> International Conference on Electronics, Circuits & Systems, ( 1<sup>st</sup> ICECS' 94 )*, 19 - 22 December 1994, Cairo, EGYPT.
- [12] **Sami A. El-Dolil**, Mustafa Nofal and Waleed Al-Hanafy. "An Integrated Space / Terrestrial Cellular Architecture with Different Priority Schemes for Global Mobile Communications". *Proc. of IEEE, VTC 2002 Spring Conference*, 4 – 9 May 2002, Birmingham, USA.
- [13] **Sami A. El-Dolil** and Mohammed Abd-Elnaby, " Dynamic allocation TDM MAC Protocol for Wireless ATM Networks" *Proc. of the 20<sup>th</sup> National Radio Science Conference, ( 20<sup>th</sup> NRSC 2003 )*, 18 - 20, March 2003, Cairo, EGYPT.
- [14] **Sami A. El-Dolil** and Mohammed Abd-Elnaby, "An Intelligent Resource Management Strategies for the Next Generation WATM Personal Communication Networks". *Proc. of the 46<sup>th</sup> IEEE International Midwest Symposium on Circuits and Systems, ( MWSCAS)*, 27 - 30 December 2003, Cairo, EGYPT.
- [15] **Sami A. El-Dolil** and Mohammed Abd-Elnaby, "Contention and Polling based Multiple Access Control with minimum Piggybacking for Wireless ATM Networks" *Proc. of the 21<sup>st</sup> National Radio Science Conference, (21<sup>st</sup> NRSC 2004)*, 16 - 18 March 2004, Cairo, EGYPT.
- [16] **Sami A. El-Dolil** and Emad S Hassan, " Reverse Link Capacity Analysis of a CDMA Wireless Local Loop System", *Proc. of the 23<sup>rd</sup> National Radio Science Conference , (23<sup>rd</sup> NRSC 2006 )*, March 14 - 16, 2006, Menouf, EGYPT.
- [17] **Sami A. El-Dolil** and Amir S EL-Safrawy, " General Packet Radio Service Performance Evaluation Considering Adaptive Overlapping", *Proc. of the 23<sup>rd</sup> National Radio Science Conference, (23<sup>rd</sup> NRSC 2006)*, March 14 - 16, 2006, Menouf, EGYPT.
- [18] **Sami A. El-Dolil** and Emad S Hassan, " The Up-Link Capacity Enhancement Techniques in a CDMA Wireless Local Loop System", published in *Menufia Journal of Electronic Engineering Research, (MJEER)*, 2006.
- [19] **Sami A. El-Dolil**, "Capacity Estimation for SIR-Based Power Controlled CDMA System with Mixed Cell Sizes, " published in *Ubiquitous Computing and Communication, (UBICC) Journal*, Vol. 3-No.4, August 2007.
- [20] **Sami A. El-Dolil** and Emad S Hassan,, "Environmental Effects on the Performance of Wireless Local Loop Systems ," *Proceedings of the 4<sup>th</sup> International Conference on Advances in Mobile Computing and Multimedia (MoMM 2006)*, 4 – 6 December 2006, Yogyakarta, Indonesia.
- [21] **Sami A. El-Dolil** and Amir S EL-Safrawy, " General Packet Radio Service Performance Evaluation Based on CIR Calculation Considering different Radio Propagation Models", *Proc. of the 24<sup>th</sup> National Radio Science Conference, (24<sup>th</sup> NRSC 2007)*, March 13 - 15, 2007, Ain Shams University, Cairo, EGYPT.
- [22] **Sami A. El-Dolil**, "Different MAC Protocols for next Generation Wireless ATM Networks," published in *Ubiquitous Computing and Communication, (UBICC) Journal*, Vol. 3-No.4, August 2007.
- [23] **Sami A. El-Dolil** and Amir S EL-Safrawy, "General Packet Radio Service Performance Evaluation Considering Multi-tier Cellular System Structure", *accepted for publication in the Proc. Of the 3<sup>rd</sup> IEEE International Conference on Wireless and Mobile Computing, Networking and Communications, (WiMob*

2007).

- [24] **Sami A. El-Dolil** and Amir S EL-Safrawy, "Performance Evaluation for Integrated High Altitude Platforms-Terrestrial General Packet Radio Service System", *accepted for publication in the Proc. of "WMuNeP'2007" Conference.*
- [25] **Sami A. El-Dolil**, Azzam Y, Al-Naharia, M. I. Desouky and F. E. Abd El-Samie, "Dynamic Prioritized Admission and Resource Reservation for WCDMA," publication in *Ubiquitous Computing and Communication, (UBICC) Journal*, Vol. 3- No.6, 2007.
- [26] M Rizk, M. I. Desouky, **Sami A. El-Dolil** and Mohammed Abd-Elnaby," Fair Queue Optimization-Based Resource Allocation Algorithm for Video Traffic over Wireless Multimedia System", accepted for publication in *Ubiquitous Computing and Communication, (UBICC) Journal*, Vol. 3- No.7, 2007.
- [27] M Rizk, M. I. Desouky, **Sami A. El-Dolil** and Mohammed Abd-Elnaby," Fair Delay Optimization-Based Resource Allocation Algorithm for Video Traffic over Wireless Multimedia System", accepted for publication in *Ubiquitous Computing and Communication, (UBICC) Journal*, Vol. 3- No.7, 2007.