

**DATE**

**June, 15, 2008**

---

**PERSONAL DATA**

**Name:** **Nazar Hussain Malik**

**Business Address:**

King Saud University  
Electrical Engineering Department,  
P.O. Box 800, Riyadh 11421, Saudi Arabia  
Telephone (966-1) 467-6783  
E-mail: nmalik@ksu.edu.sa

**Home Address:** KSU Housing, Building# 4, Flat#2

---

**EDUCATION**

*University of Engineering and Technology, Lahore, Pakistan*

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1973	B.Sc.	Engineering	Electrical Engineering

*University of Windsor, Windsor, Ontario, Canada*

<u>Year</u>	<u>Degree</u>	<u>Faculty</u>	<u>Field</u>
1977	M.A.Sc.	Engineering	Electric Power Engineering
1979	Ph.D.	Engineering	Electric Power Engineering

---

**CURRENT POSITION**

Professor, Electrical Engineering Department, King Saud University, Riyadh, Saudi Arabia

---

**POSITIONS HELD**

**ACADEMIC - KING SAUD UNIVERSITY, RIYADH, SUDI ARABIA**

*Electrical Engineering Department*

1. Professor (1989-present)
2. Associate Professor (1983-1989)
3. Assistant Professor (1982-1983)

**ACADEMIC – University of Western Ontario, London, Ontario, Canada**

*Department of Electrical Engineering*

Assistant Professor (1979-1982)

**ACADEMIC – University of Windsor, Windsor, Ontario, Canada**

*Department of Electrical Engineering*

Assistant Professor (September 1979- December 1979)

**ACADEMIC – University of Engineering and Technology, Lahore, Pakistan**

*Department of Electrical Engineering*

Lecturer (1973-1975)

---

**PROFESSIONAL MEMBERSHIPS**

**Senior Member** Institute of Electrical and Electronics Engineers (IEEE). U.S.A.

**Member** Association of Professional Engineers Province of Ontario, Canada

**Fellow** Institution of Engineers, Pakistan.

---

## AWARDS

1. University of Engineering and Technology, Lahore, Pakistan, Gold Medal (1973) for obtaining first position among 500 graduating Electrical, Mechanical, Chemical, Civil, Petroleum and Mining Engineers, Architects and Town Planners.
  2. Best Paper of the Symposium Award at GCC-CIGRE Symposium on High Voltage Transmission Lines and Cables, April 27-28, 1994, Doha, Qatar
  3. Impact of Sand-Dust Pollution on the Engineering Design Criteria of High Voltage Air Insulated Networks", Best-Applied Research Award for the year 1994 by GCC Regional Committee of CIGRE.
  4. "Use of Air Gaps for Over-voltage Protection and Insulation Coordination in Distribution Networks", Best-Applied Research Award for the year 1997 by GCC Regional Committee of CIGRE.
-

## PUBLICATIONS (*Summary*)

- Refereed Journal Papers (64)
  - Invited / Magazine Papers (2)
  - Award Winning Conference Papers (3)
  - Conference Papers (50)
  - Book Contributions (4)
  - Utility Industry Technical Reports (100)
  - University Technical Reports (20)
  - National and International (Externally-Funded) Project Official Final Reports (5)
  - Final Industry Consulting Reports (Industry Funded Projects) (2)
  - University (Research Funded) Project Final Reports (6)
- 

## ACADEMIC SUPERVISION

### GRADUATE/UNDERGRADUATE SUPERVISION

- Ph.D. Programs: 2 students
- M.Eng. & M.Sc. Programs: 8 students
- Graduation Thesis & Summer Projects: ## students

### GRADUATE/UNDERGRADUATE EXAMINATION & SUPERVISORY COMMITTEES

- Ph.D. Supervisory Committees: 2 students
  - Ph.D. & M.Eng. Defense Committees: 12 students
  - B.Sc. Thesis Examination Committees: more than 100 students
- 

## RECENT R&D FUNDED CONTRACTS

### (*Last Five Years*)

7. 1.KACST Grant for the project titled “Selection and evaluation of MV polymeric materials and their emerging construction methods suitable for local environment and manufacture” a grant from KACST, SEC, and Riyadh Cables for 38 months experimental and theoretical study.2004-2008 (SR 1.6 million)
  8. 2. King Saud University National Project “ Study of degradation of nationally produced HV cables related to manufacturing defects”, King Saud University, 1424-1425 (SR, 90,000)
  9. 3. College of Engineering (KSU) Research Center Grant for “Study of SF6 Gas Insulated Equipment Used in Saudi Arabia and Potential Use of SF6 Gas Mixtures in Such Equipment” ,1420-1425, (SR 50,000)
  - 10.
  - 11.
- 

## RECENT PUBLICATIONS (*Last Five Years*)

### Journal Papers

1. N.H.Malik, A.A.Al-Abdullah, A.A.Al-Arainy and M.I.Qureshi, “ Factors influencing Electrical Treeing in XLPE Insulation” Accepted for publication in European Transactions on Electrical Power (ETEP)
2. M.I.Qureshi, N.H.Malik and A.A.Al-Arainy,” Influence of dust pollution on power frequency discharges in rod gaps placed in parallel wit insulating spacer” Journal of Science and Engineering, Kuwait University, Kuwait.
3. Al-Arainy, A.A.Ahaideb, M.I. Qureshi and N.H. Malik,” Statistical evaluation of water tree lengths in cables at different temperatures” IEEE Transactions on Dielectrics and Electrical Insulation, Vol.11, No.6, 2004, pp.995-1006.
4. M.I. Qureshi, A.A. Al-Arainy, A.A.Ahaideb and N.H. Malik “Role of semi conducting screens on water treeing in medium voltage XLPE cables” Journal of King Saud University, Vol.17, Eng. Sci. (2), 2005, pp.227-243.
5. N.H.Malik, M.I.Qureshi and A.A.Al-Arainy, “Effect of Dust on Discharges in Rod-Rod Air Gaps in the Presence of Parallel Insulating Spacer”, European Transactions on Electrical Power, ETEP, Vol.10, No.5, Sep/Oct 2000, pp.305-311.

### **Conference Papers**

6. A.A.Al-Arainy, M.I. Qureshi and N.H. Malik, "On line laboratory investigation of electrical trees in XLPE insulation" 14<sup>th</sup> GCC CIGREE Seminar on Transmission Lines Design and Operation, Kuwait, December 1-2,2004, pp.199-205.
7. N.H.Malik, A.A.Al-Abdullah, A.A.Al-Arainy and M.I.Qureshi, " Inception and propagation of Electrical Trees in XLPE Insulation" IEEE Conference, Amman, Jordan, October 2003.
8. M.I. Qureshi, A.A. Al-Arainy and N.H. Malik, "The loss of AC strength of MV-XLPE cables due to accelerated aging", GCC Power 2003 Conference, 8-9 December, 2003, Muscat, Oman. The paper was awarded the best paper award in the conference.
9. A.Al-Arainy, N.H.Malik and M.I.Qureshi " Effect of thickness, area, and volume on the electrical strength of locally produced thin polyethylene sheets", Paper E12.03, AIEC 2003, 7-10 April, 2003, Cairo, Egypt.
10. N.H.Malik, A.A.Al-Arainy and M.I.Qureshi "The role of thin dust film on the metal clad switchgear insulating spacers as related to breakdown discharges", Paper E13.01, AIEC 2003, 7-10 April, 2003, Cairo, Egypt.
11. N.H.Malik, M.I.Qureshi and A.A.Al-Arainy, " Impulse Testing of Medium Voltage Transformers: Experience at King Saud University", Proc.11<sup>th</sup> GCC-CIGRE Seminar on Materials for Electrotechnology, Bahrain, 8-9 November, 2000,167-184.
12. M.I.Qureshi, N.H.Malik and A.A.Al-Arainy, "Study of Laboratory Grown Water Trees in XLPE Cable Insulation in the Presence of Ionic Impurities", Proc.11<sup>th</sup> GCC-CIGRE Seminar on Materials for Electrotechnology, Bahrain, 8-9 November, 2000,33-55..
13. A.A.Al-Arainy, N.Malik and M.I.Qureshi, "A Hybrid System for Long Term Accelerated Water Tree Testing of Cables at King Saud University", Proceedings of 6<sup>th</sup> ICPADM, Xian, China, June 2000, Vol.1,pp.550-553.
14. M.I.Qureshi, N.H.Malik and A.A.Al-Arainy , "Effects of Different Ionic Solutions on Statistical Length Distributions of Water Trees in XLPE Cable Insulation", Proceedings of 6<sup>th</sup> ICPADM, Xian, China, June 2000, Vol.1,pp.513-516.