CURRICULUM VITAE

Dr. Nehmdoh A. Sabiha



جامعة المنوفية تلية الهندسة بشبين الكوم

Electrical Eng. Dept., Faculty of Engineering, Minoufiya University, Shebin El-Kom, Minoufiya, Egypt

• Personal Information

Date of Birth: 08/04/1980Nationality: Egyptian

• Marital Status: Married, (2 children)

• Religion : Muslim

Tel.: +2 048 2505866 Mob: +2 01060838306
Email: nehmdoh.sabiha@yahoo.com

• Current Occupation

Lecturer in Electrical Engineering Dept., Faculty of Eng., Minoufiya University

Education and Academic Degrees

• Degree: Lecturer.

• Year: December 2010

• Faculty: Faculty of Engineering, Shebin El-Kom

• University: Minoufiya University

• Degree: D.Sc. in Electrical Engineering

• Year: August 2010

• Faculty: School of Science and Technology

University: Aalto University, Finland

• Thesis Title: "Lightning-Induced Overvoltages in Medium Voltage Distribution Systems

and Customer Experienced Voltage Spikes".

• Degree: M.Sc. in Electrical Engineering

• Year: February 2006

Faculty: Faculty of EngineeringUniversity: Minoufiya University

• Thesis Title: "Transformer Modelling with Winding Incipient and Short Circuit Faults".

• Degree: B.Sc. in Electrical Engineering

• Year: May 2002 (Very Good with Honours)

Faculty: Faculty of EngineeringUniversity: Minoufiya University

• Language & Computer Skills

• English: Very Good (Reading/writing/speaking).

- EMTP, ATP/EMTP
- MATLAB
- FEM
- PLC

• Teaching and Research Topics

- High Voltage Engineering
- Power and High frequency Transformer Modeling
- Breakdown Probability of Insulation
- Insulation Deterioration
- Extra High Voltage Cable AC Transmission System
- Overvoltage Protection
- Partial Discharge Measurement
- Breakdown in Dielectrics
- High Voltage Generation and Measurement
- Dielectric Nanocomposites

• Research Projects

None

• Recent Publications

- 1. <u>N. A. Sabiha</u> and M. Lehtonen "Overvoltages Spikes Transmitted through Distribution Transformers" Power Quality and Supply Reliability 2010 Conference, 16-18 June 2010, Tallinn University of Technology, Estonia.
- 2. N. A. Sabiha and M.Lehtonen "Combining High Frequency and Power Models of Distribution Transformer for Lightning-Induced Overvoltage Superimposed on AC Voltage" EEUG Meeting 2010, European EMTP-ATP Conference, 16, 17 and 18 Augest 2010, Helsinki, Finland.
- 3. N. A. Sabiha and M. Lehtonen "Lightning Induced Overvoltages Transmitted over Distribution Transformer with MV Spark-Gap Operation, Part I: High Frequency Transformer Model" IEEE Transactions on Power Delivery, Vol. 25, pp. 2472 2480, October 2010.
- 4. **N. A. Sabiha** and M. Lehtonen "Lightning Induced Overvoltages Transmitted over Distribution Transformer with MV Spark-Gap Operation, Part II: Mitigation Using LV Surge Arrester" IEEE Transactions on Power Delivery, Vol. 25, pp. 2565 2573, October 2010.
- 5. A. Abd-Elhady, N. Sabiha, M. Izzularab "Overvoltage Investigation of Wind Farm Under Lightning Strokes", IET Renewable Power Generation conference, RPG2011, 5-08 September 2011, Edinburgh, UK.