PUBLICATIONS

by

HUSSEIN I. ANIS

- 1. H. Anis, "A study on switching surges of non-standard forms", M. Eng. Thesis, McGill University, Montreal, Canada, 1970.
- 2. H. Anis, R.P. Comsa, "Identification and generation of non-standard switching surges", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-90, pp. 1415-1423, May/June 1971.
- 3. H. Anis, R.P. Comsa, "Statistical analysis of time to breakdown under switching surges", IEEE Summer Power Meeting, Paper No. 71CP 502-PWR, Portland, Oregon, July 1971.
- 4. R.P. Comsa, H. Anis, Reviewed Discussion on "Shaping Circuits for High Voltage Impulses", by F.C. Creed and M.M.C. Collins, IEEE Trans. on Power Apparatus and Systems, Vol. PAS-90, pp. 2243-2244, September/ October 1971.
- 5. H. Anis, R.P. Comsa, "Statistical study of parallel gaps of unequal characteristics under switching surges", IEEE Winter Power Meeting, Paper No. C73 177-3, New York, January/February 1973.
- 6. H. Anis, R.P. Comsa, "Bivariate probability of breakdown under switching surges", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-92, pp. 877-885, May/June 1973.
- 7. R.P. Comsa, H. Anis, Reviewed Discussion on "Influence of switching impulse wave shape on flashover voltages of air gaps" by T. Harada et al., IEEE Trans. on Power Apparatus and Systems, Vol. PAS-92, pp. 1091-1092, May/June 1973.
- 8. H. Anis, "A probabilistic study of insulation breakdown under switching surges", Ph.D. Thesis, McGill University, Montreal, Canada, 1973. .
- 9. R.P. Comsa, H. Anis, Reviewed Discussion on "Switching impulse breakdown of EHV transmission towers" by C. Menemenlis and G. Harbec, IEEE Trans. on Power Apparatus and Systems, Vol. PAS-93, pp. 260-261, January/February 1974.
- 10. C. Menemenlis, H. Anis, G. Harbec, "Phase-phase insulation", Hydro-Quebec Institute of Research (IREQ) Report No. 74-972-01, Varennes, Canada, February 1974.
- 11. H. Anis, G. Harbec, "Behaviour of transformer cascades during switching impulse generation", Hydro-Quebec Institute of Research (IREQ) Report No. 1003, Varennes, Canada, April 1974.
- 12. C. Menemenlis, G. Harbec, H. Anis, "L' isolation phase; phase", Proceedings of the IEEE Canadian EHV & Communications Conference, Montreal, Canada, November 1974.

- 13. H. Anis, N.G. Trinh, D. Train, "Generation of switching impulses using high voltage testing transformers", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-94, pp. 187-197, March/April 1975.
- 14. C. Menemenlis, H. Anis, "Influence of the delay of the first corona pulse on the switching impulse breakdown probability", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-94, pp. 455-466, March/April 1975.
- 15. H. Anis, N. Giao Trinh, "Effective performance of cascaded transformers in the generation of switching impulses", Proceedings of the International High Voltage Symposium, pp. 117-122, Zurich, September 1975.
- 16. C. Menemenlis, H. Anis, G. Harbec, "Phase-to-phase insulation, Part I: Generalized effects of stress parameters and gap geometry", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-95, pp. 643-650, March/April 1976.
- 17. C. Menemenlis, H. Anis, G. Harbec, "Phase-to-phase insulation, Part II: Required clearance and coordination with phase-to-ground insulation", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-95, pp. 651-659, March/April 1976.
- 18. H. Anis, A. El-Morshedy, "A digital model for power system transients", Proceedings of the International Conference on Statistics, Computer Science & Social Research, Cairo, Egypt, April 1976.
- 19. Anis, M. El-Desouki, M. El-Ragheb, "Ionization-based spherical equivalence of sharp electrode terminations", Proceedings of the IIIrd International Conference on Electrode Phenomena, Estoril, Portugal, September 1976.
- 20. A.G. Zeitoun, H. Anis, M.M. El-Ragheb, "Field calculations around pointed electrodes", Proceedings of the IEEE Canadian Communications & Power Conference, pp. 425-427, October 1976.
- 21. H. Anis, A. El-Zein, "Discharge zones in air gaps of varying configurations", Proceedings of the Conference on Phenomena in Ionized Gases, pp. 439-440, Berlin, GDR, September 1977.
- 22. H. Anis, "Generalized reliability of multi-parallel insulation system", Journal of the Egyptian Society of Engineers, Vol. XVI, No. 4, pp. 128-134, 1977.
- 23. H. Anis, A. Zeitoun, M. El-Ragheb, M. El-Desouki, "Field calculations around non-standard electrodes using regression and their spherical equivalence", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-96, pp. 1721-1730, November/December 1977.
- 24. H. Anis, R. Radwan, A. El-Morshedy, "Effect of over-voltage transients on the risk of insulation failure", IEEE Winter Power Meeting, Paper No. A 78 154-7, New York, January/February 1978.
- 25. H. Anis, et al., "Preinvestment survey for capacity expansion", A Published CU-TPP Report, Vol. I, Massachusetts Institute of Technology (M.I.T.), Cambridge, Mass., U.S.A., June 1978.

- 26. H. Anis, et al., "Optimal mixing of steam and gas-turbine power plants", A Published CU-TPP Report, Vol. II, Massachusetts Institute of Technology (M.I.T.), Cambridge, Mass., U.S.A., June 1978.
- 27. H. Anis, "Early discharges in air gaps-a design criterion for high voltage apparatus", Conference Record of the IEEE Industry Applications Society Meeting, Toronto, October 1978.
- 28. H. Anis, M. Abo El-Saad, "High voltage impulse testing using an optimized up-and-down method", Proceedings of the IEEE Canadian Communications & Power Conference, pp. 315-318, October 1978.
- 29. M. Morcos, H. Anis, "Coordination of random phase-to-ground and inter-phase over-voltages", Proceedings of the 1978 Midwest Power Symposium, Lincoln, Nebraska, October 1978.
- 30. M. Abou-Hussein, S. El-Sobki, H. Anis, Editors: "Tutorial course Reliability Evaluation in Electric Power Systems", Seminar Proceedings Published by the CU-TPP Program, Massachusetts Institute of Technology (M.I.T.), Cambridge, Mass., U.S.A., January 1979.
- 31. H. Anis, O. Gouda, "Behaviour of desert-polluted insulators under transient voltages", Proceedings of the Third International Symposium on High Voltage Engineering, Paper No. 54-08, Milan, August 1979.
- 32. H. Anis, M. Abo-El-Saad, "Optimal up-and-down testing of external insulation", Proceedings of the Third International Symposium on High Voltage Engineering, Paper No. 42-08, Milan, August 1979.
- 33. H. Anis, M. Abo-El-Saad, "Optimal testing of single and multiple self-restoring insulation under impulse voltage", Third International Conference on Dielectric Materials, Measurements and Applications, IEE Conference Publication No. 177, pp. 193-196, Birmingham, U.K., September 1979.
- 34. H. Anis et al., "Power system reliability assessment: Generation Reliability", A Published CU-TPP Report, Vol. VI, Massachusetts Institute of Technology (M.I.T.), Cambridge, Mass., U.S.A., November 1979.
- 35. H. Anis, et al., "Power system reliability assessment: Substation Reliability", A Published CU-TPP Report, Vol. VIII, Massachusetts Institute of Technology (M.I.T.), Cambridge, Mass., U.S.A., November 1979.
- 36. H. Anis, et al., "Power system reliability assessment: Transmission Reliability", A Published CU-TPP Report, Vol. VII, Massachusetts Institute of Technology (M.I.T.), Cambridge, Mass., U.S.A., April 1980.
- 37. H. Anis, et al., "Power system reliability assessment: Network Reliability", A Published CU-TPP Report, Vol. IX, Massachusetts Institute of Technology (M.I.T.), Cambridge, Mass., U.S.A., April 1980.
- 38. H. Anis, "A study of early discharges in air gaps", IEEE Trans. on Industry Applications, Vol. IA-16, No. 4, pp. 566-575, July/August 1980.

- 39. H. Anis, K.D. Srivastava, "Generalized breakdown criteria for particle-contaminated sulphur hexafluoride under dc, ac, and impulse voltages", Proceedings of the VIth International Conference on Gas Discharges and Their Applications, IEE Conference Publication No. 189, pp. 220-223, Edinburgh, U.K., September 1980.
- 40. H. Anis, K.D. Srivastava, "Movement of charged particles under impulse voltages in compressed gases", Conference Record of the IEEE Industry Applications Society, IEEE Publication No. 80 CH1575-0, pp. 1048-1055, September/ October 1980.
- 41. H. Anis, Reviewed Discussion on: "Statistical stress-duration characteristics of high voltage insulation" by F.A.M. Rizk, IEEE Trans. on Power Apparatus and Systems, Vol. PAS-100, pp. 407-408, January 1981.
- 42. H. Anis, Reviewed Discussion on: "Statistical estimation of phase-to-phase risk of failure" by C. Menemenlis, IEEE Trans. on Power Apparatus and Systems, Vol. PAS-100, pp. 820-821, February 1981.
- 43. H. Anis, K.D. Srivastava, "Particle-initiated breakdown in compressed gas insulation under time-varying voltages", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-100, pp. 3694-3702, August 1981.
- 44. H. Anis, K.D. Srivastava, "Free conducting particles in compressed gas insulation", IEEE Trans. on Electrical Insulation, Vol. EI-16, pp. 327-338, August 1981.
- 45. H. Anis, K.D. Srivastava, "Pre-breakdown discharges in rod-plane gaps in SF6 under positive switching impulses", IEEE Trans. on Electrical Insulation, Vol. EI-16, pp. 552-563, December 1981.
- 46. S. El-Sobki, M.A. El-Sayed, H. Anis, F. Abdel Malik, "Power system reliability assessment", Proceedings of the XVIth Conference on Statistics, Computer Sciences, and Operations Research, Vol. 2, pp. 147-161, Cairo, Egypt, December 1981.
- 47. S. El-Sobki, H. Anis, M.A. El-Sayed, M. El-Sobki, "Reliability determination of the transmission networks", Proceedings of the XVIth Conference on Statistics, Computer Sciences, and Operations Research, Vol. 2, pp. 124-137, Cairo, Egypt, December 1981.
- 48. H. Anis, K.D. Srivastava,, "Remotely controlled switching of HV spark gaps with application to impulse-superimposed AC testing", Proceedings of the IIIrd International Symposium on Gaseous Dielectrics, Knoxvill-., Tenn., U.S.A., March 1982.
- 49. H. Anis, K.D. Srivastava, "Breakdown of rod-plane gaps in SF6 under positive switching impulses", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-101, pp. 537-546, March 1982.
- 50. H. Anis, K.D. Srivastava, "Prebreakdown discharges in highly non-uniform fields in relation to gas-insulated systems", IEEE Trans. on Electrical Insulation, Vol. EI-17, pp. 131-142, April 1982.

- 51. H. Anis, M.M.A. Salama, K.D. Srivastava, "Random prebreakdown discharges in SF6-A possible diagnostic criterion for particle-contaminated compressed gas apparatus", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-101, pp. 1588-1595, June 1982.
- 52. M. El-Sobki, H. Anis, S. El-Sobki, "Reliability assessment of EHV transmission systems-a random simulation approach", Proceedings of the Fifth European Conference on Electrotechnics (EUROCON'82), Part II, pp. 719-724, Copenhagen, June 1982.
- 53. M.S. Abou-Seada, H. Anis, S.M. Salem, "An analysis of breakdown in rod-plane gaps under oscillatory switching surges", Proceedings of the 15th Symposium on Electrical Insulating Materials-IEE Japan, pp. 290, Fuji-Hakone, Japan, September 1982.
- 54. H. Anis, K.D. Srivastava, ",Non-uniform field breakdown of SF6 insulation under combined AC and switching impulse voltages", IEEE Trans. on Power Apparatus and Systems, Vol. PAS-101, pp. 3097-3104, September 1982.
- 55. M.S. Abou-Seada, H. Anis,, S.M. Salem, "Breakdown of rod-plane gaps under high frequency voltages", Thirty-Fifth Gaseous Electronics Conference, Dallas, Texas, U.S.A., October 1982.
- 56. H. Anis, M. Morcos, "Inter-phase energization transients due to random pole closures", Proceedings of the Mediterranean Electrotechnical Conference (Melecon'83), Athens, Greece, May 1983.
- 57. M. El-Sayed, S. El-Sobki, H. Anis, F. Malik, "A modified minimum cut-set approach to The study of power system reliability", Proceedings of the Mediterranean Electrotechnical Conference (Melecon '83), Athens, Greece, May 1983.
- 58. H. Anis, A. Mohsen, "Application of the charge simulation method to time-varying voltages", Proceedings of the Fourth International Symposium on High Voltage Engineering (ISH'83). paper 11.11, Athens, Greece, September 1983.
- 59. M.M. Morcos, K.D. Srivastava, H. Anis, "Dynamics of metallic contaminants in compressed gas insulated power apparatus", Proceedings of the Fourth International Symposium on High Voltage Engineering (ISH'83), paper 34.02, Athens, Greece, September 1983.
- 60. H. Attia, H. Anis, S. El-Sobki, "Forecasted distribution of residential power consumption in Egypt", Proceedings of the XVIII th Conference on Statistics, Computer Sciences, and Operations Research, Vol. 1, pp; 231-240, Cairo, Egypt, December 1983.
- 61. H. Attia, H. Anis, S. El-Sobki, "Statistical models of electrical energy distribution in Egypt", Proceedings of the XVIII th Conference on Statitics, Computer Sciences, and Operations Research, Vol. 1, pp. 110-126, Cairo, Egypt, December 1983.
- 62. H. Anis, M.M. Morcos, K.D. Srivastava, "Corona stabilized breakdown in Particle contaminated compressed SF6 systems", Proceedings of the IV International Symposium on Gaseous Dielectrics, paper No. 48, Knoxville, U.S.A., March 1984.

- 63. H. Attia, H. Anis, S. El-Sobki, T. Fawzi, E. Taha, "Identification of planning parameters for electrification schemes of attachments in Egypt", Proceedings of the Ninth International Congress for Statistics, Computer Science, Social and Demographic Research, p. 165-177, Cairo, Egypt, March/April 1984.
- 64. M.M. Morcos, K.D. Srivastava, H. Anis, "An approach to breakdown probability calculations for particle-contaminated GITL systems", Proceedings of the IEEE International Symposium on Electrical Insulation, paper D-8, Montreal, Canada, June 1984.
- 65. H. Anis, A. El-Morshedy, S. Nada, "An electromagnetic detector of insulator surface discharge", Proceedings of IEEE/IAS Annual Conference, pp. 1052-1057, Chicago, III., U.S.A., September/October 1984.
- 66. H. Anis, "Coordination of multi-path insulation in gas insulated transmission lines", proceedings of the XVII th International Conference on Phenomena in Ionized Gases, pp. 103, Budapest, July 1985.
- 67. H. Attia, H. Anis, S. El-Sobki, "Development of electricity tariff in Egypt and its impact on prospective subsidy", Proceedings of the 20th Annual Conference in Statistics, Computer Science and Information and Operation Research, Vol. 1, Cairo, December 1985.
- 68. Anis, A. El-Morshedy, S. Nada, "An Electromagnetic Detector of Insulator Surface Discharge", (Based on paper No. 65 after modifications), IEEE Transactions on Industry Applications, Vol. IA-22, No. 1, 57-79, Jan/Feb. 1986.
- 69. S. El-Nahas, H. Anis, "Mutagenic effects of exposure to power frequency electric fields", Proceedings of the IASTED International Conference on High Technology in the power industry, pp. 305-308, Montana, August 1986.
- 70. B. Mahdi, H. Anis, "Field exposure modeling using charge simulation", Proceedings of the international High Voltage Symposium, Braunsweig, Germany, August 1987.
- 71. H. Anis, R. Amer, R. Morsi, "Simulation of electrostatic field-exposed laboratory animals", Proceedings of the IEEE Industry Applications Society Meeting, Atlanta, GA, October 1987.
- 72. M. M. Morcos, H. Anis, "On the inter-phase energization over-voltages due to random pole closures", Proceedings of the North American Power Symposium, Edmonton, Canada, October, 1987.
- 73. M. M. Morcos, H. Anis, "Choice of air insulation clearances based on random energization transients in EHV systems", North American Power Symposium, W-Lafayette, Indiana, September 1988.
- 74. H. Anis, M. Abdallah, "Potential and field computations by an optimized Monte-Carlo technique", proceedings of the IEEE-IAS Meeting, Pittsburgh, October 1988.
- 75. H. Anis, S. Ward, "Performance of coated GIS conductors under impulse voltages", Proceedings of the conference on Electrical Insulation and Dielectric Phenomena (CEIDP), Ottawa, Canada, October 1988.

- 76. H. Anis, H. Attia, S. El-Sobki, "Optimal updating of residential electricity tariff", Proceedings of the Middle East Power System Conference (MEPCON-89), Cairo, Egypt, January 1989.
- 77. H. Anis, M. Abdallah, "Highly diverging field computations using Monte-Carlo", Proceedings of the Middle East Power System Conference (MEPCON-89), Cairo, Egypt, January 1989.
- 78. H. Anis, A.B. Mahdi, "Modeling of field exposure near power lines", Proceedings of the Middle East Power System Conference (MEPCON-89), Cairo, Egypt, January 1989.
- 79. H. Attia, H. Anis, S. El-Sobki, "Residential energy consumption growth and Categorization in Egypt", Proceedings of the Middle East Power System Conference (MEPCON-89), Cairo, Egypt. January 1989.
- 80. M. Morcos, H. Anis, K.D. Srivastava, "Particle-initiated corona and breakdown in GITL systems", IEEE Transactions on Electrical Insulation, vol. 24, pp. 561-571, Aug. 1989.
- 81. H. Anis, K.D. Srivastava, "Performance of dielectric coated gas insulated systems", Proceedings of the International Symposium on High Voltage Engineering, New Orleans, Aug. 1989.
- 82. M. Morcos, H. Anis, K.D. Srivastava, "Metallic particle movement, corona, and breakdown in compressed gas insulated transmission line systems", Proceedings of the IEEE Industry Applications Society Meeting, pp. 2220-2232, San Diego, October 1989.
- 83. M. Morcos, H. Anis, "Random energisation transients in EHV systems", Proceedings of the IEE, vol. 136, Pt. C, No. 6, pp. 325-330, November 1989.
- 84. H. Anis, "Statistical modeling of exposure to power line electric fields", Proceedings of the Annual Review of Research on Biological Effects of 50 & 60 Hz Electric and Magnetic Fields, Paper no. A-29, Portland, Oregon, November 1989.
- 85. M.S. Abu-Seada, S.N. Salem, H. Anis, "Breakdown of air gaps under oscillatory simulated switching surges", Proceedings of the Sixth International Symposium on Gaseous Dielectrics, Knoxville, Tennessee, September 1990.
- 86. Mahdy, H. Anis, R. Radwan, M. Abd-Allah, "Assessment of field-exposed humans near EHV power lines erected in the desert", Proceedings of The International Symposium on High Voltage Engineering (ISH), Dresden, August 1991.
- 87. H. Anis, S. Ward, "Discharges from contaminating particles in GIS under impulse voltages", Proceedings of the Conference on Electrical Insulation and Dielectric Phenomena (CEIDP), Knoxville, USA, October 1991.
- 88. M. Morcos, H.Anis, K.D. Srivastava, "Metallic particle movement, corona, and breakdown in compressed Gas Insulated transmission line systems", IEEE Trans. on Industry Applications, vol.27,no. 5, 816-823, Sept/October 1991.

- 89. H. Anis, H. Attia, A. Mahdi, "Statistical modeling of exposure to power line electric fields", Environmental Technology, vol. 12, no. 11, 973-983, November 1991.
- 90. Mahdy, A. El-Morshedy, H. Anis, "Insulation failure assessment under random energization over-voltages", Proceedings of IEEE IAS Annual Conference, Houston, USA, October 1992.
- 91. H. Anis, S. Ward, "On-Site testing for mobile particles in GIS under impulse voltages", Proceedings of IEEE IAS Annual Conference, Houston, USA, October 1992.
- 92. H. Anis, "An Egyptian project for engineering education development", Proceedings of the American Society for Engineering- Education (ASEE) Meeting, pp. 1980-1982. Urbana-Champaign, III., USA, June 1993.
- 93. M.A. Abd Allah, H. Anis, Sh.A. Mahmoud, "Comparative study of magnetic fields near EHV and distribution power lines", Proceedings of the 1993 North American Power Symposium, pp.427-435, Washington, USA, October 1993.
- 94. S.A. Mahmoud, M.A. Abd Allah, H. Anis, "Magnetic fields near power lines in Egypt", Proceedings of the Middle East Power Conference (MEPCON),pp.96-101, Cairo Egypt, January 1994.
- 95. H. El-Sayed, A. M. Mahdy, A. M. El Morshedy, H. Anis, "Risk of insulation failure during energization of EHV network in Egypt", Proceedings of the Middle East Power Conference (MEPCON),pp. 102-106, Cairo, Egypt, January 1994.
- 96. H. Anis, "Implementation of the Egyptian engineering education development project", Proceedings of the American Society for Engineering Education(ASEE) Meeting, pp. 1515-1519, Edmonton, Canada, June 1994.
- 97. M.A. Abd Allah, S.A. Mahmoud, H. Anis, "Management of power lines magnetic fields", Proceedings of the North American Power Symposium, pp. 175182, Manhattan, Kansas, USA, September 1994.
- 98. El Erian, H. Anis, M. El Sherbiny, M. Tawfik, "Engineering education program evaluation A study case in Egypt", Proceedings of the IIIrd World Congress on Engineering Education & Training, Cairo, Egypt, November 11, 1994.
- 99. H. Anis, "Engineering education development in Egypt", Proceedings of the IIIrd World Congress on Engineering, Education & Training, Cairo, Egypt, November 1994.
- 100. H.A. El Ghazaly, S.A. Mahmoud, H. Anis," Magnetic field measurement in Egyptian industrial areas", Proceedings Conference Internationale Des grandes Reseaux Electriques a Haute Tension (C.I.G.R.E), Regional conference, Cairo, Egypt, January 1995.
- 101. H. Anis, M.A. Abd Allah, S.A. Mahmoud, "Computation of power lines magnetic fields- A three dimensional approach", Proceedings of the International Symposium on High Voltage Engineering (ISH), paper no. 8333, Graz, Austria, August 1995.

- 102. M.E. Ghourab, H.I. Anis, "Probabilistic failure of transmission line insulation under lightning", Proceedings of the International Symposium on Electric Power Engineering, pp. 147-151, Stockholm, June 1995.
- 103. A.A. Adly, H.A. Elghazaly, H.I. Anis, "A fluxmeter for frequency-based sorting of ELF magnetic fields", Proceedings of the International Symposium on Electric Power Engineering, pp. 381-385, Stockholm, June 1995.
- 104. Sayed Tag, H. Anis, "Electric fields near power lines effect of electric properties of the ground", Proceedings of the Middle East Power Conference (NIEPCON), Luxor, January 1996.
- 105. M.M. Morcos, H. Anis, "On random line-to-neutral switching transients in transients in transmission systems". Electric Machines and Power Systems. vol. 24, pp. 303311, 1996.
- 106. Hussein Anis, "A Project for engineering education development in Egypt", Proceedings of the 1996 AEESEAP Mid-Term Conference (AEESEAP '96), Makuhari, Japan, April, 1996.
- 107. A.M. Mahdy, A. El Morshedy, H. Anis, "Insulation failure assessment under random . energization over-voltages", IEEE Transactions on Industry Applications, vol. IA3 2, No. 2, March/April 1996.
- 108. H.I. Anis, "Development and assessment of engineering education with an industrial view", Proceedings of the World Congress of Engineering Educators and Industry Leaders, UNESCO, Paris, July 1996.
- 109. M.A. Abd-allah, H.I. Anis, Shaher A. Mahmoud, "Measurement of magnetic fields in places of work and residence An Egyptian case study", Proceedings of the North American Power Symposium (NAPS'96), Cambridge, November 1996.
- 110. M.E. Ghourab, H.I.Anis, "Probabilistic failure of transmission line insulation under lightning of different wave form", Proceedings of the North American Power Symposium (NAPS'96), Cambridge, November 1996
- 111. H.I. Anis, H.A. Elghazaly, A.A. Adly, "Harmonic ELF magnetic fields Their measurement and risk assessment", The 1996 Annual Review of Research on Biological Effects of Electric and Magnetic Fields From the Generation, Delivery & Use of Electricity, San Antonio, USA, November 1996.
- 112. H.A. Elghazaly, A.A. Adly, H.I.Anis, "Magnetic field measurement in Egyptian residential and commercial buildings", Proceedings of the Middle East Power Conference (MEPCON), Alexandria, January 1997.
- 113. H. Anis, "Developing Engineering Education in Egypt Experience and Achievements", Proceedings of the American Society for Engineering Education (ASEE) Meeting, Milwaukee, USA, June 1997.
- 114. H. Anis, H. Elghazaly, A. Adly, M. Abd-Allah, S. Mahmoud, "Measurements of ELF magnetic field levels in Egypt", Proceedings of the CIGRE Regional Meeting for the African Continent, paper IV-102, Cairo, September 1997.

- 115. M. Abdallah, S. Mahmoud, H. Anis, "Interaction of ELF electromagnetic fields with living bodies", Proceedings of the Health Physics Society (HPS) Annual Meeting, paper no. WPM-B.6, Minneapolis, USA, July 1998.
- 116. M. Ghourab, H. Anis, "Electric stresses in three-core cables equipped with optical fiber sensors", IEEE Transactions on Dielectrics and Electrical Insulation, vol. 5, pp. 589-595, August 1998.
- 117. Mahdy, S. Ward, H. Anis, "Electrode roughness effects on the breakdown of air-insulated apparatus", IEEE Transactions on Dielectrics and Electrical Insulation, vol. 5, pp. 612-617, August 1998.
- 118. S. Ward, M. Morcos, H. Anis, "On the particle contaminated gas-insulated systems", Proceedings of the 33rd Universities Power Engineering Conference (UPEC'98), Edinburgh, UK, September 1998.
- 119. M. Morcos, S. Ward, H. Anis, "On the detection and control of metallic particle contamination in compressed GIS equipment", Proceedings of the IEEE Electrical Insulation Conference, Georgia, October 1998.
- 120. Mahdy, S. ward, H. Anis, "Probabilistic failure in compressed SF₆ insulation due to surface roughness", Proceedings of the Middle East Power Conference (MEPCON'98), Mansoura, Egypt, December 1998.
- 121. H. Anis, M. Abd-Allah, Shaher A. Mahmoud, "Comparative exposure to magnetic fields near high voltage transmission lines", Proceedings of the Middle East Power Conference (MEPCON'98), Mansoura, Egypt, December 1998.
- 122. M. Abouelsaad, E. Tageldin, H. Anis, "A boundary-element model for assessment of power lines E-fields", Proceedings of the Middle East Power Conference (MEPCON'98), Mansoura, Egypt, December 1998.
- 123. S.A. Ward, M.M. Morcos, H. Anis, "Effect of gas mixtures on breakdown characteristics of gas insulated systems", Proceedings of the NORDIC Insulation Symposium, Copenhagen, Denmark, June 1999.
- 124. S.A. Mahmoud, M.A. Abdallah, H.I. Anis, "Magnetic fields around a 220-66 kV transmission line", ", Proceedings of the 11th International Symposium on High Voltage Engineering (ISH), London, UK, August 1999.
- 125. E.M. Tageldin, H.I. Anis, M.M. Abouelsaad, "A neuro-fuzzy inference approach for assessment of exposure to power lines electric field", Proceedings of the North American Power Symposium (NAPS'99), San Luis Obispo, California, October 1999.

- 126. M.M. Morcos, S.A. Ward, H. Anis, "Particle-initiated breakdown with spacer involvement in compressed gas and its mixtures", Proceedings of the Conference on Electrical Insulation and Dielectric Phenomena (CEIDP), Austin, Texas, October 1999.
- 127. M.A. Abdallah, Shaher A. Mahmoud, H.I. Anis, "Probabilistic modeling of sag-based magnetic fields near power lines", Proceedings of the Middle East Power Conference (Mepcon 2000), Cairo, March 2000.
- 128. M.A. Abdallah, Shaher A. Mahmoud, H.I. Anis, "Interaction of environmental ELF electromagnetic fields with living bodies", Electric Machines and Power Systems, vol.28, No.4, pp. 301-312, April 2000.
- 129. H.I. Anis, Shaher A. Mahmoud, M.A. Abdallah, "Probabilistic modeling of power lines magnetic fields", Proceedings of the IEEE Power Engineering Society Meeting, Seattle, July 2000.
- 130. M.M. Morcos, S.A. Ward, H. Anis, K.D. Srivastava, S.M. Gubanski, "Insulation integrity of GIS/GITL systems and management of particle contamination", IEEE Electrical Insulation Magazine, vol. 16, No. 5, pp. 25-37, September/October 2000.
- 131. H. Anis, S.A. Ward, S.S. Ghoneim, "Diagnosis of particle contamination in compressed gasinsulated switchgear", Proceedings of the International Symposium on High Voltage Engineering (ISH-2001), paper no. 4-48, Bengalore, India, August, 2001.
- 132. R.M. El-Fakahany, H. Anis, "Step voltage-based categorization and Assessment of ground grids', Proceedings of the International Symposium on High Voltage Engineering (ISH-2001), paper no. 2-19, Bengalore, India, August, 2001.
- 133. R. Sharkawy, H. Anis, "Acoustic-based particle detection in oil using artificial neural networks", Proceedings of the IEEE Porto Power Tech'2001 Conference, paper no. PST4-019, Porto, Portugal, October 2001.
- 134. A. Mahdy, H. Anis, R. Amer, A. El-Morshedy, "Insulator pollution assessment in Sinai using Geographic Information Systems", Proceedings of the Middle East Power Conference (Mepcon 2001), pp. 873-878, Helwan, Cairo, December 2001.
- 135. A. Mahdy, A. El-Morshedy, R. Amer, H. Anis, "A study of transient overvoltages in Sinai", Proceedings of the Middle East Power Conference (Mepcon 2001), pp. 879-884, Helwan, Cairo, December 2001.
- 136. S. Zang, M.M. Morcos, H. Anis, K.D. Srivastava, "On metallic particles behavior in coaxial GIS/GITL systems with dielectric coating", Proceedings of the Middle East Power Conference (Mepcon 2001), pp. 161-165, Helwan, Cairo, December 2001.

Books:

H. Anis et al, "**High Voltage Engineering - Theory & Practice**", 2nd edition, *Publisher: Marcel Dekker*, New York, August 2000.