Bibliography

[1] T. Okamoto, T. Kato, Y. Yokomizu, Y. Suzuoki, and T. Tanaka, "PD characteristics as a stochastic process and its integral equation under sinusoidal voltage," *IEEE Transactions on Dielectrics & Electrical Insulation*, vol. 8, pp. 82-90, 2001.

[2] S. N. Hettiwatte, P. A. Crossley, Z. D. Wang, A. Darwin, and G. Edwards, "Simulation of a transformer winding for partial discharge propagation studies," presented at Proceedings of Winter Meeting of the Power Engineering Society, New York, NY, USA, 2002.

[3] R. Meunier and G. H. Vaillancourt, "Propagation behaviour of acoustic partial discharge signals in oil-filled transformers," presented at Conference Information: ICDL'96. 12th International Conference on Conduction and Breakdown in Dielectric Liquids, Roma, Italy, 1996.

[4] D. T. Blackstock, *Fundamentals of physical acoustics*. New York: Wiley, 2000.

[5] P. Filippi, *Acoustics : basic physics, theory and methods*. San Diego: Academic Press, 1999.

[6] L. E. Kinsler, A. R. Frey, A. B. Coopens, and J. V. Sanders, *Fundamentals of Acoustics*, 4th ed. New York: John Wiley & Sons, Inc., 2000.

[7] T. Hoshino, K. Kato, N. Hayakawa, and H. Okubo, "A novel technique for detecting electromagnetic wave caused by partial discharge in GIS," *IEEE Transactions on Power Delivery*, vol. 16, pp. 545-51, 2001.

[8] S. Okabe, E. Zaima, T. Yamagiwa, and T. Ishikawa, "Partial discharge characteristics and diagnostics technology for metallic particles in gas insulated switchgear," vol. 115-B, pp. 1221-7, 1995.

[9] S. Il Keun, K. Hee Ro, L. Jeong Won, and K. S. Suh, "Partial discharge characteristics in various polyethylenes," presented at Proceedings of 5th International Conference on Properties and Applications of Dielectric Materials, 1997.

[10] P. Fischer and K. W. Nissen, "Partial discharge characteristics in artificial voids in polyethylene," vol. 99, pp. 475-80, 1978.

[11] Y. C. Leung and J. M. K. MacAlpine, "Initial experience with the partial discharge monitoring of high-voltage motors," *Electric Power Systems Research*, vol. 61, pp. 33-40, 2002.

[12] R. Bozzo and F. Guastavino, "PD detection and localization by means of acoustic measurements on hydrogenerator stator bars," *IEEE Transactions on Dielectrics & Electrical Insulation*, vol. 2, pp. 660-6, 1995.

[13] N. Ahmed and N. Srinivas, "Partial discharge characteristics in aged EPR, 15 kV rated cables," presented at 1998 Annual Report Conference on Electrical Insulation and Dielectric Phenomena, 1998.

[14] J. Densley, "Partial discharge characteristics of extruded cable systems," presented at Proceedings of Nordic Insulation Symposium 1999, Copenhagen, Denmark, 1999.

[15] A. Bognar and K. Karsai, "Modelling method for locating partial discharges in transformers," 1981.

[16] A. S. Farag, M. H. Shewhdi, X. Jin, C. Wang, T. C. Cheng, X. Dong, S. Gao, W. Jing, and Z. Wang, "On-line partial discharge calibration and monitoring for power transformers," vol. 50: Electric Power Systems Research. Elsevier, 1999, pp. 47-54.

[17] H.-H. Jing, "Research on Detection of Partial Discharges in Power Transformers in Service with Acoustic Emission Techniques," in *Electrical Engineering*: Tshing-Hua University, pp. 83.

[18] T. Krieg and M. Napolitano, "Techniques and experience in on-line transformer condition monitoring and fault diagnosis in ElectraNet SA," presented at Proceedings of International Conference on Power System Technology (POWERCON 2000), Perth, WA, Australia, 2000.

[19] Y. Liu, L. Chen, and Q. Bin, "Partial Discharge (PD) Acoustic Wave Propagation in Power Transformers," EPRI, Ed. San Antonio, TX, 2001.

[20] B. Yu, D. W. Kim, W. Cockey, A. Wang, and Y. Liu, "Field Test of Fiber Optic PD Sensors for PD Detection in Northfleet West SGT3A 400KV/275KV

Transformer," Virginia Polytechnic Institute and State University, Blacksburg July 29,2002 2002.

[21] Z. Zhao, M. S. Demokan, and J. M. K. MacAlpine, *Optical fiber acoustic sensor for sensing and locating partial discharges in high voltage oil-filled power transformers*: IREE Soc 1996 p. 286-9 Milsons Point NSW Australia, 1997.

[22] H. Eronen, *Imatran Voima's experiences in locating partial discharges in power transformers through acoustic emission*: Nygrens Ljuakopla AB 1992 p. 7.7/1-5 Vasteras Sweden, 1992.

[23] T. Bengtsson, L. Ming, M. Leijon, and B. Jonsson, "Partial discharges studies using acoustic emission," 1994.

[24] A. Tungkanawanich, E. Y. Hamid, Z. I. Kawasaki, and K. Matsuura, "Analysis of VHF-wideband electromagnetic noises from partial discharge using discrete wavelet transform," 2001.

[25] T. Krieg and M. Napolitano, *Techniques and experience in on-line transformer condition monitoring and fault diagnosis in ElectraNet SA*: IEEE 2000 p. 1019-24 vol.2 Piscataway NJ USA, 2001.

[26] P. Ghasemi, S. Halen, and M. Tapper, "Experience from power transformer diagnostics with acoustic emission technique," presented at Nordic Insulation Symposium, Bergen, 1996.

[27] J. L. Davis, *Mathematics of wave propagation*, 1st ed. Princeton, N.J.: Princeton University Press., 2000.

[28] S. Temkin, *Elements of Acoustics*: John Wiley & Sones, Inc., 1981.

[29] I. Shim, J. J. Soraghan, and W. H. Siew, "Detection of PD utilizing digital signal processing methods. Part 3: Open-loop noise reduction," 2001.

[30] G. Strang and T. Nguyen, *Wavelets and filter banks*. Wellesley, MA: Wellesley-Cambridge Press, 1996.

[31] S. Qian, *Introduction to time-frequency and wavelet transforms*, 1st ed. Upper Saddle River: Prentice Hall, 2002.

[32] R. Polikar, "The wavelet tutorial, "http://engineering.rowan.edu/~polikar/Wavelets"," 1996.

[33] D. B. Percival and A. T. Walden, *Wavelet methods for time series analysis*. Cambridge ; New York: Cambridge University Press, 2000.

[34] A. Mertins, *Signal analysis : wavelets, filter banks, time-frequency transforms, and applications*, English rev. ed. Chichester, West Sussex, England ; New York: J. Wiley, 1999.

[35] I. Daubechies, *Ten lectures on wavelets*. Philadelphia, Pa.: Society for Industrial and Applied Mathematics, 1992.

[36] S. Santoso, E. J. Powers, W. M. Grady, and P. Hofmann, "Power quality assessment via wavelet transform analysis," *IEEE Transactions on Power Delivery*, vol. 11, pp. 924-30, 1996.

[37] X. Wang, Z. Guo, Y. Shang, and Z. Yan, "Extraction of partial discharge pulse via wavelet shrinkage," presented at Proceedings of The 6th International Conference on Porperties and Applications of Dielectric Materials, Xi'an Jiaotong University, Xi'an, China, 2000.

[38] X. Ma, C. Zhou, and I. J. Kemp, "Automated wavelet selection and thresholding for PD detection," 2002.

[39] J. S. Walker, *A primer on wavelets and their scientific applications*. Boca Raton, Fla.: Chapman & Hall/CRC, 1999.

[40] E. Kuffel and W. S. Zaengl, *High Voltage Engineering Fundamentals*, 1 ed. New York: Oxford, 1984.