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LOREN W NOLTE, PROFESSOR OF ELECTRICAL & COMPUTER ENGINEERING AND BIOMEDICAL ENGINEERING

Loren Nolte is Professor of Electrical and Computer Engineering with a secondary appointment as Professor of Biomedical Engineering. He received his PhD in Electrical Engineering from the University of Michigan, Ann Arbor. His current research interests are in signal detection and estimation theory with applications to ocean acoustics, biomedical statistical image processing, and optimal decision fusion



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ECE 285.01, SIGNAL DETEC/EXTRAC THEO

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PhD, University of Michigan, 1965 MS, University of Michigan, 1960 BS, Northwestern University, 1956

Specialties:

Sensing and Sensor Systems Medical Imaging

Recent Publications (More Publications)

Yuwei Liao and Nolte, L.W. and Collins, L.M., *Decision fusion of ground-penetrating radar and metal detector algorithms - a robust approach*, IEEE Trans. Geosci. Remote Sens. (USA), vol. 45 no. 2 (2007), pp. 398 - 409 [TGRS.2006.888096] [abs].

Jesneck, Jonathan L. and Nolte, Loren W. and Baker, Jay A. and Lo, Joseph Y., *The effect of data set size on computer-aided diagnosis of breast cancer: Comparing decision fusion to a linear discriminant*, Progress in Biomedical Optics and Imaging - Proceedings of SPIE, vol. 6146 (2006), pp. 614616 - [12.655235] [abs].

Jesneck, J.L. and Nolte, L.W. and Baker, J.A. and Floyd, C.E. and Lo, J.Y., *Optimized approach to decision fusion of heterogeneous data for breast cancer diagnosis*, Med. Phys. (USA), vol. 33 no. 8 (2006), pp. 2945 - 54 [1.2208934] [abs].

Sha, L. and Nolte, L.W., *Bayesian sonar detection performance prediction with source position uncertainty using SWellEx-96 vertical array data*, IEEE J. Ocean. Eng. (USA), vol. 31 no. 2 (2006), pp. 345 - 55 [JOE.2006.875263] [abs].

Sha, L. and Nolte, L.W., Effects of environmental uncertainties on sonar detection performance prediction, J. Acoust. Soc. Am. (USA), vol. 117 no. 4 (2005), pp. 1942 - 53 [1.1875653] [abs].