

Prof. Rekanos' List of Publications

Publications in Book Chapters

- [B.5] I.T. Rekanos, "Microwave imaging based on differential formulations of the direct scattering problem. Techniques in the frequency and the time domain," *Microwave Non Destructive Evaluation and Imaging*, Ed.: M. Pastorino, Research Signpost: Kerala, India, pp. 95-119, 2002, ISBN:81-7736-081-7.
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- [B.3] L.J. Hadjileontiadis, I.T. Rekanos, and S.M. Panas, "Higher-order statistics," *Encyclopedia of Biomedical Engineering*, Ed. M.: Akay, Wiley and Sons, New York, USA, 2006, ISBN:047124967X.
- [B.2] L.J. Hadjileontiadis, I.T. Rekanos, and S.M. Panas, "Bioacoustic signals," *Encyclopedia of Biomedical Engineering*, Ed.: M. Akay, Wiley and Sons, New York, USA, 2006, ISBN:047124967X.
- [B.1] I.T. Rekanos and M.A. Kanaki, "Microwave imaging of two-dimensional conducting scatterers using particle swarm optimization," *Electromagnetic Fields in Mechatronics, Electrical and Electronic Engineering*, vol. 27, Eds.: A. Krawczyk, S. Wiak, L.M. Fernandez, IOS Press, 2006, pp. 84-89, ISBN:1586036270.

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- [J.56] T.I. Kosmanis, I.T. Rekanos, and S.P. Tsitsos, "Optimal design of PCS ceramic microwave filters using the differential evolution algorithm," *ACES Journal*, vol. 31, no. 4, pp. 361-365, Apr. 2016.
- [J.55] I.T. Rekanos, "Comments on "Fractional derivative based FDTD modeling of transient wave propagation in Havriliak-Negami media"," *IEEE Transactions on Microwave Theory and Techniques*, vol. 63, no. 12, pp. 4188-4190, Dec. 2015. [[access](#)]
- [J.54] D.A. Ketzaki, I.T. Rekanos, T.I. Kosmanis, and T.V. Yioultsis "Beam propagation method based on the iterated Crank-Nicolson scheme for solving large-scale wave propagation problems," *IEEE Transactions on Magnetism*, vol. 51, no. 3, Art. No. 7204404, Mar. 2015. [[access](#)]
- [J.53] C.S. Hilas, P.A. Mastorocostas, and I.T. Rekanos, "Clustering of telecommunications user profiles for fraud detection and security enhancement in large corporate networks: a case study," *Applied Mathematics and Information Sciences*, vol. 9, no. 4, pp. 1709-1718, July 2015. [[access](#)]
- [J.52] I.T. Rekanos and T.V. Yioultsis, "Approximation of Grünwald-Letnikov fractional derivative for FDTD modeling of Cole-Cole media," *IEEE Transactions on Magnetism*, vol. 50, no. 2, Art. No. 7004304, Feb. 2014. [[access](#)]
- [J.51] C.S. Hilas, I.T. Rekanos, and P.A. Mastorocostas, "Change point detection in time series using higher-order statistics: A heuristic approach," *Mathematical Problems in Engineering*, vol. 2013, Art. ID 317613, 10 pages, 2013. [[access](#)]
- [J.50] A. Semnani, I.T. Rekanos, M. Kamyab, and M. Moghaddam, "Solving inverse scattering problems based on truncated cosine Fourier and cubic B-spline expansions," *IEEE Transactions on Antennas and Propagation*, vol. 60, no. 12, pp. 5914-5923, Dec. 2012. [[access](#)]
- [J.49] S.D. Assimonis, T.V. Yioultsis, I.T. Rekanos, E.E. Kriezis, and C.S. Antonopoulos, "Design and optimization of uniplanar EBG structures," *International Journal of Applied Electromagnetics and Mechanics*, vol. 39, no. 1-4, pp. 615-621, Aug. 2012. [[access](#)]
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