

## Recent Publications JOHN ANTHONY NYENHUIS

### Serial Journal Regular Articles

- [1] A.R. Rezaei, D. Finelli, J.A. Nyenhuis, G. Hrdlicka, J. Tkach, A. Sharan, P. Rugieri, P.H. Stypulkowski, and F.G. Shellock, "Neurostimulation systems for deep brain stimulation: In vitro evaluation of magnetic resonance imaging-related heating at 1.5 T," *J. Magn Res. Imag.* Vol. 15, 241-250, 200).
- [2] A.V. Kildishev, J.A. Nyenhuis, M.A. Morgan, "Magnetics," *IEEE Transactions on*, Vol. 38, Issue 5, pp. 2465-2467, Sept. 2002.
- [3] J.R. Brosch, T.M. Talavage, J.L. Ulmer, J.A. Nyenhuis, "Simulation of human respiration in fMRI with a mechanical model," *IEEE Trans.s on Biomedical Engineering*, Vol. 49, Issue 7, pp. 700-707, July 2002.

### Conference Proceedings and Presentations

- [1] A.V. Kildishev, J.A. Nyenhuis, and M.A. Morgen, "Multipole analysis of an elongated magnetic source by a cylindrical sensor array," International Magnetics Conference, April 2002, Amsterdam, Netherlands.
- [2] A.V. Kildishev, R. Kamondetdacha, and J.A. Nyenhuis, "Prediction of the magnetic field below an axissymmetrical planar sensor array with a magnetic source located above the measurement plane," International Magnetics Conference, April 2002, Amsterdam, Netherlands.
- [3] J. Nyenhuis, "MRI interactions with medical implants," 2002 IEEE International Symposium on Electromagnetic Compatibility, Volume 2, pp. 920-924, 2002.
- [4] H.A. Sabbagh, E.H. Sabbagh, R.K. Murphy, J. Nyenhuis, "Assessing thermal barrier coatings by eddy-current inversion," AIP, *American Institute of Physics Conference Proceedings*, No. 615A, pp. 722-727, 2002.
- [5] A.V. Kildishev, J.A. Nyenhuis, and Y.N. Zhilichev, "Extended multipole image of a non-ideal PM rotor," Presentation HP-1, 2002 Magnetism and Magnetic Materials Conference, Miami, FL, 2002.