Papers in Conference Proceedings (refereed)


C10. O. M. Ramahi, “Metamaterial Elements as Huygens Radiators,” in Proc., META’16, the 7th International Conference on Metamaterials, Photonic Crystals and Plasmonics, Torremolinos (Malaga), Spain, July 25–28, 2016. (Keynote Talk)


C14. A. Albishi and O. M. Ramahi, “Surface Crack Detection in Metallic Materials Using Sensitive Microwave-Based Sensors,” in Proc., The 17th annual IEEE Wireless and Microwave
Technology Conference (WAMICON 2016), Clearwater Beach, FL, USA, April 11-13, 2016.


C23. F. Aydinoglu, M. Alhazmi, S. Alqarni, B. Cui, O. M. Ramahi and M. Yavuz, “Design and Fabrication of PT-AL2O3-AL Metal-Insulator-Metal Diode,” in proceedings, the 24th Canadian Congress of Applied Mechanics (CANCAM 2013), Saskatoon, Saskatchewan, Canada, June 2-6, 2013.


C30. A. Nauroze, O. Siddiqui, R. Ramzan, and O. M. Ramahi, “Dielectric Sensing based on Energy Tunneling in Wire-loaded Microstrip Cavities,” in Proc., META'13, the 4th International


International Conference on Communications Technologies ICCT2010, Riyadh, Saudi Arabia, January 18-20, 2010. (Keynote Talk)


C97. F. Seydou, T. Seppanen and O. M. Ramahi, “Computation of the Induced Electromagnetic Field for a Head Model in a Multiple Scattering Environment,” in proceeding, IEEE Antennas and


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C130. O. M. Ramahi, and S. Shahparnia “Miniaturized Electromagnetic Bandgap Structures for Noise Suppression,” in proceedings, the 9th International Conference on Electromagnetics in Advanced Applications (ICEAA ’05) and the 11th European Electromagnetic Structures Conference


C180. O. M. Ramahi, “The Concurrent complementary operators’ method applied to the finite difference


Conference Abstracts


A2. O. M. Ramahi, B. Alavikia and A. Kabiri, “Poynting theorem and its implication on the signs of the imaginary parts of the electromagnetic constitutive parameters in passive metamaterial,” META’15,
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A19. O. M. Ramahi and X. Wu, “Investigation, analysis, and elimination of ABC-induced instability in


A38. O. M. Ramahi, “Absorbing boundary conditions for convex object-conformable boundaries,” in


A43. O. M. Ramahi, “Exploring the cause of instabilities arising from the application of higher order ABCs in FDTD simulation,” in Proc., URSI Radio Science Meeting, Atlanta, GA, June 21-26, 1998.

A44. O. M. Ramahi, “Extension of the concurrent complementary operators’ theory to numerical boundary conditions,” in Proc., URSI Radio Science Meeting, Atlanta, Georgia, June 21-26, 1998.


A59. O. M. Ramahi, “Efficient analysis of a class of unbounded geometries using the finite difference
time domain method,” in Proc., Progress in Electromagnetics Research Symposium, European Space Research and Technology Center, ESTEC, Noordwijk, the Netherlands, July 11-15, 1994.

