

122. X. Li,\* C. Meng, Y. Liu, and E. Schamiloglu, "Influence of the Simulation Parameters on the Normalized Impedance Derived by the Random Coupling Model Simulation," ACES Journal, vol. 30, 1008-1013 (2015).
123. A.S. Shlapakovski, L. Beilin, Y. Hadas, E. Schamiloglu, and Ya. E. Krasik, "Self-Consistent Evolution of Plasma Discharge and Electromagnetic Fields in a Microwave Pulse Compressor," Phys. Plasmas, vol. 22, 073111-1-9 (2015).
124. M. Liu,\*\* C.-L. Liu, Z. Huang, E. Schamiloglu, M. Fuks,\*\* and W. Jiang, "Investigation of the Operating Characteristics of a 12-Cavity Rising-Sun Relativistic Magnetron with Diffraction Output using Particle-in-Cell Simulations," Phys. Plasmas, vol. 23, 052104-1-9 (2016).
125. S.C. Yurt,\* A. Elfrgani,\* M.I. Fuks,\*\* K. Ilyenko,\*\* and E. Schamiloglu, "Similarity of Properties of Metamaterial Slow-Wave Structures and Metallic Periodic Structures," IEEE Trans. Plasma Sci. Special Issue on High Power Microwave Generation [featured story of August 2016], vol. 44, 1280-1286 (2016).
126. M.I. Fuks,\*\* S. Prasad,\*\* and E. Schamiloglu, "Efficient Magnetron with a Virtual Cathode," IEEE Trans. Plasma Sci. Special Issue on High Power Microwave Generation, vol. 44, 1298-1302 (2016).
127. T. Shao,\*\* L. Wang, C. Zhang, Y. Zhou, L. Han, X. Xu and E. Schamiloglu, "A Compact Microsecond-Pulse Generator Used for Surface Dielectric Barrier Discharges," IEEE Trans. Plasma Sci., vol. 44, 2072-2078 (2016).
128. F. Yamasaki,\* E. Schamiloglu, J. Rossi, and J. Barroso, "Simulation Studies of Distributed Nonlinear Gyromagnetic Lines Based on LC Lumped Model," IEEE Trans. Plasma Sci., vol. 44, 2232-2239 (2016).
129. E.G. Lopes Rangel, J.J. Barroso, J.O. Rossi, F.S. Yamasaki,\* L.P. Silva Neto, and E. Schamiloglu, "Influence of Input Pulse Shape on RF Generation in Nonlinear Transmission Lines," IEEE Trans. Plasma Sci., vol. 44, 2258-2267 (2016).
130. L.P. Silva Neto, J.O. Rossi, J.J. Barroso, and E. Schamiloglu, "High-Power RF Generation from Nonlinear Transmission Lines with Barium Titanate Ceramic Capacitors," IEEE Trans. Plasma Sci., vol. 44, 3424-3431 (2016).
131. M. Liu,\*\* C. Liu, Z. Wang, W. Jiang, and E. Schamiloglu, "Optimizing the Parameters of a 12-Cavity Rising-Sun Relativistic Magnetron with Single-Stepped Cavities for  $\pi$ -Mode Operation," IEEE Trans. Plasma Sci. [featured story of November 2016], vol. 44, 2852-2858 (2016).
132. A. Elfrgani,\*\* H. Seidfaraji, S.C. Yurt,\* M.I. Fuks,\*\* and E. Schamiloglu, "Power Combiner for High Power Cherenkov Devices," IEEE Trans. Plasma Sci., vol. 44, 2268-2271 (2016).
133. H. Seidfaraji, M.I. Fuks,\*\* C. Christodoulou, and E. Schamiloglu, "Efficient Power Combiner for THz Radiation," AIP Advances, vol. 6, 085220-1-10 (2016).
134. M. Liu,\*\* E. Schamiloglu, W. Jiang, M. Fuks,\*\* and C. Liu, "Investigation of the Operating Characteristics of a 12 Stepped-Cavity Relativistic Magnetron with Axial Extraction Driven by an 'F' Transparent Cathode using Particle-in-Cell Simulations," Phys. Plasmas, vol. 23, 112109-1-10 (2016).
135. S.C. Yurt,\* M.I. Fuks,\*\* S. Prasad,\*\* and E. Schamiloglu, "Design of a Metamaterial Slow Wave Structure for an O-type High Power Microwave Generator," Phys. Plasmas, vol. 23, 123115-1-7 (2016).
136. M.I. Fuks,\*\* E. Schamiloglu, and N.F. Kovalev, "Development of Relativistic Magnetrons," Izv. Vuzov PND (PND = Applied Non-Linear Dynamics), Saratov University, vol. 24, 1-17 (2016).

137. C. Leach,\* S. Prasad,\*\* M.I. Fuks,\*\* C.J. Buchenauer, J. McConaha,\* and E. Schamiloglu, "Experimental Demonstration of a High-Efficiency Relativistic Magnetron with Diffraction Output with Spherical Cathode Endcap," *IEEE Trans. Plasma Sci.*, vol. 45, 282-288 (2017).
138. F. Yamasaki,\* J. Rossi, J. Barroso, and E. Schamiloglu, "Operation of a Gyromagnetic Line at Low and High Voltages with Simultaneous Axial and Azimuthal Biases," submitted to *IEEE Trans. Plasma Sci.* (2017).
139. L.P. Silva Neto, J.O. Rossi, J.J. Barroso, and E. Schamiloglu, "Hybrid Nonlinear Transmission Lines Used for RF Soliton Generation," submitted to *IEEE Trans. Plasma Sci.* (2017).
140. R. Bilalic,\* D. Guillette, M. Landavazo, M. Martinez-Ramon, S. Hemmady,\*\* and E. Schamiloglu, "A Novel Application of Machine Learning Methods to Model Microcontroller Upset due to Intentional Electromagnetic Interference (IEMI)," submitted to *IEEE Trans. Electromag. Compat.* (2017).
141. E.G. Lopes Rangel, J.O. Rossi, J.J. Barroso, and E. Schamiloglu, "Practical Constraints on Nonlinear Transmission Lines for RF Generation," submitted to *IEEE Trans. Plasma Sci.* (2017).
142. L.R. Raimundi, J.O. Rossi, E.G. Lopes Rangel, L.C. Silva, and E. Schamiloglu, "High Voltage Capacitive Nonlinear Transmission Lines for RF Generation Based on Silicon Carbide Schottky Diodes," submitted to *IEEE Trans. Plasma Sci.* (2018).
143. L.C. Silva, J.O. Rossi, E.G.L. Rangel, L.R. Raimundi, and E. Schamiloglu, "Pulsed RF Signal Radiation from Nonlinear Transmission Line," submitted to *IEEE Trans. Plasma Sci.* (2018).
144. J.M. Chen, S. Portillo,\*\* G. Heileman, G. Hadi,\* R. Bilalic,\* M. Martinez-Ramon, S. Hemmady,\*\* and E. Schamiloglu, "An Investigation of a Microcontroller's Port Impedance Dependence on Instruction Set," submitted to *IEEE Trans. Electromag. Compat.* (2018).