

## PUBLICATIONS of Professor Weng Cho Chew

### Books

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W. C. Chew, J. M. Jin, E. Michielssen, and J. M. Song, (editors), *Fast and Efficient Algorithms in Computational Electromagnetics*, Artech House, Boston, MA, 2001.

W. C. Chew, M. S. Tong, and B. Hu, *Integral Equations Methods for Electromagnetic and Elastic Waves*, Morgan & Claypool, 2008.

### Book Chapters

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10. W.C. Chew, "Introduction to Electromagnetic Analysis and Computational Electromagnetics," Chap. 1, in *Fast and Efficient Algorithms in Computational Electromagnetics*, Artech House, Boston, 2001.
11. W.C. Chew and J.M. Song, "Fast Multipole Method and Multilevel Fast Multipole Algorithm in 2D," Chap. 2, in *Fast and Efficient Algorithms in Computational Electromagnetics*, Artech House, Boston, 2001.
12. J.M. Song and W.C. Chew, "FMM and MLFMA in 3D and Fast Illinois Solver Code," Chap. 3, in *Fast and Efficient Algorithms in Computational Electromagnetics*, Artech House, Boston, 2001.
13. S. Velamparambil and W.C. Chew, "Parallelization of Multilevel Fast Multipole Algorithm on Distributed Memory Computers," Chap. 4, in *Fast and Efficient Algorithms in Computational Electromagnetics*, Artech House, Boston, 2001.
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19. K. Radhakrishnan and W.C. Chew, "Efficient Analysis of Waveguiding Structures," Chap. 10, in *Fast and Efficient Algorithms in Computational Electromagnetics*, Artech House, Boston, 2001.
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### **Journal Publications**

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	3.	W. C. Chew, J. A. Kong and L. C. Shen, "Radiation characteristics of a circular microstrip antenna," <i>J. Appl. Phys.</i> , vol. 51, no. 7, pp. 3907-3915, Jul. 1980.
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