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Education

Ph.D. in Space Plasma Physics, *University of Maryland at College Park*, U. S. A., 1990~1994
Post-Doc in Computational Biology, *National Institute for Standard and Technology*, U. S. A., 1994~1995
Ph.D. Candidate in Space Physics, *Chinese Academy of Sciences*, China, 1987~1990
B.S. and M.S. in Space Physics, *Wuhan University*, China, 1980~1987

Work Experiences

Dean, Int'l School of Software Engineering, *Wuhan University*, China, 2005 ~2013
Director, Advanced Research Center for Sci. & Tech., *Wuhan University*, China, 2002 ~ now
Senior Manager, Network Optimization and Planning, *Nextel Communication,* U.S.A., 1998~2002
Senior Engineer, *General Electric (GE),* U. S. A., 1995~1998

Selected Publications

Yi Shi, Thomas Hou, Huaibei Zhou, Per-Node Based Optimal Power Control for Multi-hop Cognitive Radio Networks, *IEEE Trans. on Wireless Communications*, Vol. 8, 2009.

Huaibei Zhou, Hui Wang, Advances in medicine and biology using engineering approaches, *Journal of X-Ray Science and Technology*, Sept., 2008.

Juan Liu, Huaibei Zhou. Tumor Classification based on Gene Microarray Data and Hybrid Learning Method. *Proceedings of ICMLC*, 2003.

Feng Shi, Jing Huang, Yuanxiang Li, Huaibei Zhou. Dependence of Mutual Information of Big Protein Sequence, *Wuhan University Journal of Natural Sciences*, Vol. 8, No. 1B, 2003.

Zhou, H. B., K. Papadopoulos, A. S. Sharma and C. L. Chang, Electromagnetohydrodynamic Response of a Plasma to an External Current Pulse, *Phys. Plasmas*, Vol. 3, 1484, 1996.

Zhou, H. B., Whistler Wave Generation and Current Closure by a Pulsed Tether in the Ionospheric Plasmas, *Planet. Space Sci.,* Vol. 44, 1996.

Zhou, H. B. and Wang L., Chaos in Biomolecular dynamics, *J. Phys. Chem.*, Vol. 100, 8101, 1996.

Samudrla, R., J. Petersen, H. B. Zhou, R. Luo, K. Fidelis and J. Moult, Confronting the Problem of Interconnected Structural Changes in the Comparative Modeling of Proteins, *Proteins: Structure, Function, and Genetics*, Vol. 23, 1995.

Zhou, H. B., "The dynamic response of a magnetized plasma to an external current source: application to space and laboratory plasma", *Doctor's Thesis*, University of Maryland, 1994.

Papadopoulos, K., H. B. Zhou and A. S. Sharma, The role of helicons in magnetospheric and ionospheric physics, *Comments Plasma Phys. Controlled Fusion*, Vol. 15, 1994.

Papadopoulos, K., H. B. Zhou and C. L. Chang, Cerenkov excitation of helicon waves by ionospheric HF heating, *Geophysics Res. Lett.*, Vol. 21, 1767-1770, 1994.

Zhou, H. B., C. L. Sun and Xiao Z., The determination of whistler exit points from spectrum analysis, *Acta Geophysica Sinica*, Vol. 2, No. 3, 1990.

Zhou, H. B., J. S. Xu et al., The influence of ionospheric ion abundance on the longitudinal effect of whistler propagation at low latitude, *J. Space Sci*., Vol. 10, No. 3, 1990.

Zhou, H. B., Z. Xiao, A study of cloud-earth lightning parameters by using whistler spectrum, *J. Radio Sci.*, Vol. 4, No. 1, 1990.

Zhou, H. B., W. Q. Wang, The nonlinear phenomena of ion acoustic wave caused by trapped electrons, *J. Beijing University,* Vol. 25, No. 3, 1989.

Zhou, H. B., W. Q. Wang, The influence of high energy electrons and contamination on Langmuir probe*, J. Space Sci.,*Vol. 9, No. 3, 1989.

Zhou, H. B., The ionospheric channel and its influence on bit-error of satellite communication, *Proc. IEE*, ICAP'89, UK.

Zhou, H. B., Z. Xiao and C. L. Sun, Remote Sensing of cloud-earth lightning, *J. Radio Sci*., Vol. 4, No. 1, 1989.

Zhou, H. B., J. S. Xu and M. Hayakawa, On the longitudinal effect in whistler propagation characteristics at low latitudes, *Planet. Space Sci*. Vol. 36, No. 8, 1988.