Critical Thinking and Presentation in Research Work

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Time: 12:00 noon -1:00 pm, Wednesday, Jan. 18, 2011
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Abstract

In this talk, I will discuss the general methodology for critical thinking in research work as well as the presentation of the research work, i.e., writing a research paper. I will go through criteria for evaluation reasoning and research papers, and identify general structure of research papers and key review criteria.

Biography of Speaker

Xiao-Ping Zhang received the B.S. and Ph.D. degrees from Tsinghua University, in 1992 and 1996, respectively, all in electronic engineering. He holds an MBA in Finance, Economics and Entrepreneurship with Honor from the University of Chicago Booth School of Business.

Since Fall 2000, he has been with the Department of Electrical and Computer Engineering, Ryerson University, where he is now Professor, Director of Communication and Signal Processing Applications Laboratory (CASPAL) and Program Director of Graduate Studies. Prior to joining Ryerson, from 1996 to 1998, he was a postdoctoral fellow at the University of Texas, San Antonio and then at the Beckman Institute, the University of Illinois at Urbana-Champaign. He held research and teaching positions at the Communication Research Laboratory, McMaster University, in 1999. From 1999 to 2000, he was a Senior DSP Engineer at SAM Technology, Inc., at San Francisco, and a consultant at San Francisco Brain Research Institute. His research interests include multimedia communications and signal processing, sensor networks and electronic systems, multimedia content analysis, computational intelligence, and applications in bioinformatics, finance, and marketing. He is a frequent consultant for biotech companies and investment firms.

Dr. Zhang is a registered Professional Engineer in Ontario, Canada, a Senior Member of IEEE and a member of Beta Gamma Sigma Honor Society. He is the publicity co-chair for ICME’06 and program co-chair for ICIC’05. He is currently an Associate Editor for IEEE Signal Processing Letters and for Journal of Multimedia.