



北京大学海外名家讲学计划

MATHEMATICAL MAGIC

C. L. Liu

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the National Tsing Hua University in Hsinchu, Taiwan

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ABSTRACT: Mathematicians build bridges connecting seemingly unrelated mathematical concepts, and also bridges connecting the mathematical sphere to the physical, social, magical, and poetic spheres. We shall venture mostly into the magical sphere in this talk.

BIOGRAPHY: C. L. Liu received his B. Sc. degree at the National Cheng Kung University in Taiwan and his S. M. and Sc. D. degrees from the Massachusetts Institute of Technology. His teaching career spans over forty years, at MIT, the University of Illinois at Urbana Champaign, and the National Tsing Hua University, where he is now the William Mong Honorary Chair Professor of Computer Science. His academic administrative duties include serving as Associate Provost at the University of Illinois at Urbana Champaign from 1996 to 1998, and as President of the National Tsing Hua University from 1998 to 2002.

His research areas are computer-aided design of VLSI circuits, computer-aided instruction, real-time systems, combinatorial optimization, and discrete mathematics. He has published over 180 technical papers, and 8 technical books. In addition, he has published 9 books which are essay collections (in Chinese). He serves on the Boards of a number of high tech companies and educational and charitable foundations in Taiwan. Since 2005, he hosts a weekly radio show on Technology and Humanities in radio stations in Hsinchu, Taipei, and Taichung.

He is a member of Academia Sinica, and a Fellow of IEEE and ACM. He received Honorary Doctoral Degrees from the University of Macao and the National Chengchi University. Among his major awards are the Gustav Robert Kirchhoff Award from IEEE, the Phil Kaufman Award from CEDA, Technical Achievement Award from Real Time Systems Technical Committee, IEEE, Technical Achievement Award from Circuits and Systems Society, IEEE, and Education Medal from IEEE.

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