

**Ph.D Kang K. Yen**

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Department of Electrical & Computer Engineering  
Florida International University  
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**EDUCATION**

- \* Ph.D. in Electrical Engineering, Vanderbilt University, August 1985
- \* M.E.E in Electrical Engineering, University of Virginia, December 1979
- \* B.S. in Physics, National Central University, Taiwan, R.O.C., July 1974

**POSITIONS**

8/2001- Chairperson, Department of Electrical and Computer Engineering, Florida International University  
2/2001-8/2001 Acting Chairperson, Department of Electrical and Computer Engineering, Florida International University  
1998- Professor, Department of Electrical and Computer Engineering, Florida International University  
1998-1991 Associate Professor, Department of Electrical and Computer Engineering, Florida International University  
1991-1985 Assistant Professor, Department of Electrical and Computer Engineering, Florida International University  
1999(Summer) Visiting Faculty, Universite de Nancy I, Nancy, France  
1999-2001 Graduate Program Coordinator, Department of Electrical and Computer Engineering, Florida International University  
4/1975-10/1976 Mechanical Engineer and instructor in Combined Force Service Technical School

**Research Areas:**

- System Modeling and Simulation ■ Control Theory
- Parallel Processing
- Microprocessor and AI Applications

Dr. Kang K. Yen has been involved in theoretical works on control theory and on parallel simulation algorithms development for real-time applications in the past several years. In the same periods, he has also participated in several industry supported projects on real-time data processing and microprocessor-based control system designs. Currently, he is interested in research and development of intelligent control system design methodology to improve dynamic system's performance and reliability, both theoretical and application oriented problems are being considered. He is a registered professional engineer in the State of Florida.

**Selected Publications**

- K. Yen and S. F. Zhou, "Counterexample and Correction to a Result on Robust Schur Stability of a Complex-coefficient Polynomials Set with Coefficients in a Diamond",

- accepted by J. of Franklin Institute. ■ J. Yan and K. Yen, "A derivation of 3D Ray Equations in Ellipsoidal Coordinates", J. Acoustical Society Am. 97 (3), March, 1995.
- J. Yan and K. Yen, "Horizontal Ray Paths of Underwater Sound from Heard Island to Ascension", Applied Acoustics, 45, 1995.
  - S. Ghoshray and K. Yen, "Approximate Reasoning in Low Frequency Data Set by Fuzzy Statistical Method", SAMS, Vol. 18-19, pp. 409-412, 1995.
  - K. Yen, S. Ghoshray, and G. Roig, "Application of Fuzzy Regression Models to Predict Future Behavior in Uncertain Economic Environment", Proc. of 1st International Comp. Sci. Conven. on Fuzzy Logic, May 26-27, 1995.
  - S. Ghoshray, K. Yen and G. Roig, "Robot Obstacle Avoidance by Octree Generation Technique", The 3rd Int'l. Conf. on Automation, Robotics and Computer Vision, November 8-11, 1994.
  - K. K. Yen, F. Y. Wu and W. Subbarao, "A Neural-Network-Based Deconvolution Simulator for CBF Calculation", Int'l J. of Mini & Microcomputers, Vol 16, No. 1, 1994, pp. 43-48.
  - K. K. Yen, S. F. Zhou, and Z. Qu, "A Sufficient Condition for Robust Stabilization of Interval Plants Using Generalized Compensators", Comp. Elect. Eng., Vol 20, No. 1, pp. 13-20, 1994.
  - K. K. Yen and S. F. Zhou, "Comments on Extreme Point Results for Robust