

# Kung-E Cheng

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## Home Address

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## Education

- Ph.D. Information Systems**      New Jersey Institute of Technology, Newark, New Jersey      January 2009  
Dissertation Title: *Voting in Group Support Systems: Theory, Implementation, and Results from an Exploratory Study*
- M.S. in Information Management**      National Chiao-Tung University, Hsinchu, Taiwan      1992  
Thesis Title: *An Office Information System Model Based on Constraints Negotiation*
- B.E. in Mechanical Engineering**      Tamkang University, Tamsui, Taiwan      1988

## Research Interests

Group Support Systems, Decision Making Processes, Organization and Information Systems, Collaborative Learning, Human Computer Interactions

## Teaching Interests

Decision Making, Database Management Systems, Web Development, Management Information Systems, Organization Management, Programming

## Work Experience

- National Center for Transportation and Industry Productivity**, Newark, New Jersey      2008-Present  
Research Scientist
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- New Jersey Institute of Technology**, Newark, New Jersey      2006-2007  
Teaching Assistant, 2007  
Research Assistant, 2006
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- Rutgers, The State University of New Jersey**, Newark, New Jersey      1995-2000  
Web Developer, Graduate School-Newark, 1998-2000  
Teaching Assistant, 1995-1999
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- Kun Shan Institute of Technology and Commerce\***, Tainan, Taiwan      1992-1994  
Instructor, 1992-1994  
Chairman, Department of Electronic Data Processing<sup>†</sup>, 1992-1993

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\* The name of the school was changed to Kun Shan University in 2000.

† The name of the department was changed to Information Management in 1994.

### Administrative Appointments

Coordinator, Departmental Library Project, 1993-1994

Member, School Development Committee, 1992-1993

Member, School Personnel Committee, 1992-1993

**National Chiao-Tung University**, Hsinchu, Taiwan

1990-1992

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Research Assistant

**204 Arsenal of Combined Service Forces**, I-Lan, Taiwan

1988-1990

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Corporal, Mechanical Engineering

### **Teaching Experience**

#### Courses Taught

- Management Information Systems
- Introduction to Computer Science
- Systems Analysis
- Data Structure and Algorithm
- Database Management Systems
- COBOL Programming
- Computer Architecture

#### Student Projects Advised

- Multi-Media Introduction of the MIS Department
- Class Registration System

#### Community Outreach Program

- Spreadsheet Applications for Small Business

### **Teaching Evaluation**

- Fall 2007 IS631 Enterprise Database Management: 3.38/4

### **Research and Technical Skills**

Operation Systems	MS Windows, Linux
Programming	BASIC, C/C++, COBOL, FORTRAN, Java, Pascal, PHP, Python
Web Development	Apache Web Server, CSS, JavaScript, (X)HTML
DBMS	MS SQL Server, MySQL
Statistical Analysis	SAS, SPSS
GIS	MapServer, MapWindow

## **Honors and Awards**

The 3 <sup>rd</sup> Annual Provost's Student Research Showcase, New Jersey Institute of Technology	2007
Student Achievement Award, Graduate Student Association, New Jersey Institute of Technology	2007
Best Paper Nomination, The 40 <sup>th</sup> Hawaii International Conference on Systems Sciences	2007
Research Assistantship, College of Computing Sciences, New Jersey Institute of Technology	2006
Best Paper Nomination, The 10 <sup>th</sup> Americas Conference on Information Systems	2004
Teaching Assistantship, Graduate School-Newark, Rutgers, The State University of New Jersey	1995-1999
Award for Outstanding Service, Institute of Information Management, National Chiao-Tung University	1992
Yu-Ai Scholarship, Tamkang University	1987
Dr. Sun Yat-Sen's Theory Scholarship, Tamkang University	1987
Da-Yu Awards (three times), College of Engineering, Tamkang University	1985-1988
Award of Excellence, National Contest on Programming conducted by Ministry of Education	1984

## **Activities**

### **Professional**

Reviewer, Americas Conference on Information Systems (AMCIS)	1997, 2001, 2006
Reviewer, Hawaii International Conference on Systems Sciences (HICSS)	1998, 2007, 2008
Student Volunteer, The 3 <sup>rd</sup> International Conference on Information Management (ICIM), Hsinchu, Taiwan	1992

### **School**

Photographer, Festschrift in Honor of Starr Roxanne Hiltz and Murray Turoff, New Jersey Institute of Technology	2007
Judge, New Jersey Web Design Competition, New Jersey Institute of Technology	2007
Class President, Institute of Information Management, National Chiao-Tung University	1991
Class President, Department of Mechanical Engineering, Tamkang University	1986
President, Taoism Studying Society, Tamkang University	1985-1986
Vice President, Youth Society, Tainan First Senior High School	1983-1984
Vice President, Photographer's Society, Tainan First Senior High School	1982-1983

## **Organization Membership**

Association for Information Systems (AIS)

## **Publications**

### **Refereed Journal Paper**

- K-E Cheng & F. P. Deek (forthcoming) Voting Tools in Group Decision Support Systems: Theory and Implementation, *International Journal of Management and Decision Making*.

### Refereed Conference Papers

- K-E Cheng & F. P. Deek (2007) *A Framework for Studying Voting in Group Support Systems*, in Proceedings of the 40<sup>th</sup> Hawaii International Conference on Systems Sciences, Waikoloa, HI. (Best Paper Nomination).
- K-E Cheng & F. P. Deek (2006) *Voting Methods and Information Exchange in Group Support Systems*, in Proceedings of the 12<sup>th</sup> Americas Conference on Information Systems, Acapulco, Mexico.
- J. Shen, K-E Cheng, M. Beiber & S. R. Hiltz (2004) *Traditional In-class Examination vs. Collaborative Online Examination in Asynchronous Learning Networks: Field Evaluation Results*, in Proceedings of the 10<sup>th</sup> Americas Conference on Information Systems, New York, NY. (Best Paper Nomination).
- K-E Cheng, Z. Li, & B. Van de Walle (2001) *Voting in Group Support Systems Research: Lessons, Challenges, and Opportunities*, in Proceedings of the 7<sup>th</sup> Americas Conference on Information Systems, Boston, MA.
- Z. Li, K-E Cheng, Y. Wang, S. R. Hiltz, & M. Turoff (2001) *Thurstone's Law of Comparative Judgment for Group Support*, in Proceedings of the 7<sup>th</sup> Americas Conference on Information Systems, Boston, MA.
- J. Shen, S. R. Hiltz, K-E Cheng, Y. Cho, & M. Beiber (2001) *Collaborative Examinations for Asynchronous Learning Networks: Evaluation Results*, in Proceedings of the 34<sup>th</sup> Hawaii International Conference on Systems Sciences, Maui, Hawaii.
- J. Shen, K-E Cheng, Y. Cho, S. R. Hiltz, & M. Bieber (2000) *Evaluation of an On-line Collaborative Examination Process*, Proceedings of the 6<sup>th</sup> Americas Conference on Information Systems, Long Beach, California.
- K-E Cheng & A. Rana (1997) *Group Support Systems and the Speech Act Theory*, in Proceedings of the 3<sup>rd</sup> Americas Conference on Information Systems, Indianapolis, Indiana.
- K-E Cheng, & K-C Yu (1993) *Studies of Office Information System Models*, in Proceedings of the 8<sup>th</sup> Technology and Vocational Education Conference of R.O.C. Ping-Tung, Taiwan.

### Non-Refereed Conference Presentation

- K-E Cheng & F. P. Deek (2007) *Building Voting Tools to Support Group Decision Making*, Symposium of Case and Field Studies in Collaboration in the 40<sup>th</sup> Hawaii International Conference on Systems Sciences, Waikoloa, HI. (Invited Presentation)
- S. Chien, K-E Cheng, & D. Bowlby (2009) *New Jersey Institute of Technology (NJIT)/NJDOT MDSS Implementation*, The 11<sup>th</sup> Maintenance Decision Support System (MDSS) Stakeholder Meeting, Charlotte, NC. (Invited Presentation)