# RESUME

**PERSONAL**
Name                    Chen-chi Shing
Address                 Box 6933, Radford University.
                        Radford, VA 24142
Phone                   Office   (540)831-5996
                        Fax (540)831-6706

**OBJECTIVE**
Teaching, Research and Consulting

**EDUCATION**

Statistics:
    Ph.D.: Virginia Polytechnic Institute and State Univ.
        Sept 80 - Sept 84
      Dissertation Topic: Structures and Properties of
        Repeated Measurement Designs
      Specialized Fields: Experimental Designs, Time Series,
        Nonparametrics, Computational Statistics
    M.S.: Ohio State Univ.
        Sept 77 - Aug 80

Computer Science:
    M.S.: Virginia Polytechnic Institute and State Univ.
        March 85 - June 87
     Information Assurance Certificate: Purdue univ, funded by NSA,
Aug. 2004. Learned CNSS standards 4011-4015
        Specialized Fields: Information Security, Computer
Forensics, Discrete Math, Computer Networks, Software engineering,
        Database, Analysis of Algorithm, Analysis of
        Systems, Graphics, Modeling and Simulation, File
        Structures

Physics:
    M.S.: Virginia Polytechnic Institute and State Univ.
        Sept 75 - June 77
    B.S.: National Cheng Kung Univ
        Tainan, Taiwan, R.O.C.
        Sept 70 - May 74
        (Minor: Mathematics)

**EXPERIENCE**

Teaching:
    Associate Professor in Computer Science
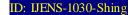       Radford Univ., 90 - present
    Assistant Professor in Computer Science
       Radford Univ., 85 - 90
    Basic, Fortran, Cobol, Pascal, ADA, C++, JAVA, Discrete Math,
    Principle I & II of Computer Science, Computer Networks, Web
Programming (Java Script, VB Script, Perl, ASP.NET), Database,

Data Structure and Algorithms, Scientific Computing, Intro to Computer,
File Structure, Software System, Software Engineering, Operating Systems
Modeling and Simulation, Computer Graphics, C and Unix, Computer Forensics, Information Security and Assurance

Assistant Professor & Instructor in Math, Stat & Cpsc
   Radford Univ., 83 - 85
Elementary Stat, Business Stat, College Algebra, Calculus,
Sets and Logic, Basic, Discrete Math

Lecturer in Math & in Stat
   VPI & SU, 80 - 83
Elementary Stat, College Algebra, Calculus

Lecturer in Stat
   Ohio State Univ, 77 - 80
   Engineering Stat, Simulation and Monte Carlo Method

Instructor in Physics
   National Cheng Kung Univ, 74 - 75
   Intro to Physics, Experimental Physics

Consulting:
   Director of Academic Computing
      Radford Univ., Summer I, 89
            Summer II, 90

   Assistant Director of Academic Computing
      Radford Univ., 88 - 92

   Leading consultant in Stat Lab
      Ohio State Univ., 77 - 80

**COMPUTER SYSTEMS**
   System: Vax 11, IBM 370, Mark IV Simulated by IBM 370, Intel
      8080 Interface, DG MV15000, DG MV7800, SUN

   Language: Basic, Fortran, Cobol, Pascal, PL/I, SAS, SPSS, BMD,
      Assembler, MINITAB, APL, Prolog, C/C++, GPSS,
   Visual Basic, Ada, Java, SIMSCRIPT
   Platform (Environment): Solaris, Linux, Windows (.NET)

**PROFESSIONAL MEMBERSHIP**

**Editorial Board**
**Editor-In-Chief**, **International Journal of Computer Science and Security**
**Editor**, **Lecture Notes in Information Science and Technology Journal**
**Executive Adviser**, **Lecture Notes in Computer Security Journal**
Editor, **International Journal of Research in Business and Technology**

Pi Mu Epsilon, Epsilon Pi Epsilon, American Statistical
Association, Association for Computing Machinery
(also sponsored ACM local chapter from 87 - 92)

**PUBLICATIONS**

**Book**:

Review of Physics    1975, Cheng Li Inc., Tainan, Taiwan
Coauthor F.L. Chang, C.C. Chen, C.S. Chang

Instructor Manuals for Computer Forensics(Problems, Labs, Transparencies), 2005, was reviewed by McGraw Hill Inc., not published due to market
Coauthor: Melissa Dark; Qing Yuan;  Mario Garcia; Isaac Ghansah; Jim Chen; Huei Lee and Carol Manigault

**Paper**:

## 1.  Refereed Journals:

"A Quality Outcome Assessment of Learning Discrete Mathematics Course: The Case of University Students", *International Journal of Management & Information Technology,* **2**(1), 9-23, 2012, Shing, M., Shing, C., Shing, L., Shing, L.

"Analysis of N Category Privacy Models", *International Journal of Computer Science and Security,* **6**(5), 342-358, 2012, Shing, M., Shing, C., Shing, L., Shing, L.

"An Optimization Approach In Information Security Risk Management", *Advances in Management and Applied Economics,* **2**(3), 1-12, 2012, Shing, M., Shing, C., Shing, L., Shing, L.

"Analysis of a Two Category Confidentiality Model In Information Security", *Journal of Communication and Computer, USA,* **3**(1), 538-546, 2012, Shing, M., Shing, C., Shing, L.
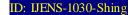
"Study of A Risk Management Model", *International Journal of Electronic Commerce Studies,* **2**(1), 67-76, 2011, Shing, M., Shing, C., Chen, K. L., Lee, H.

"A Study of Identity Management Features in ERP Systems", *Issues in Information Systems*, **11**(1), 644-648, 2010, Chen, K. L., Lee, H., Shing, C., Shing, M.

"Simulation of a Two-Category Secured Access Database", *International Information Management Association Journal (CIIMA)*, **9**(3), 1-12, 2009, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Confidentiality modeling and simulation and validation in a simplified database access", *International Journal of Computational Biology and Drug Design*, **2**(3), 252-263, 2009, , Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Security Modeling on the Supply Chain Networks", *Journal of Systemics, Cybernetics and Informatics*, **5**(5), 53-58, 2008, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Obstacle of Team Teaching and Collaborative Learning in Information Security", *Journal of Systemics, Cybernetics and Informatics*, **5**(5), 81-86, 2008, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Modeling in Confidentiality and Integrity for a Supply Chain Network", **7**(1), 41-48, 2007, *International Information Management Association Journal (CIIMA)*, Kuo Lane Chen, Marn-Ling Shing, Huei Lee, Chen-Chi Shing

"Issues in Information Security Curriculum: Collaborative Learning and Team Teaching", **4**(5), *516-529*, 2007, *International Journal of Innovation and Learning*, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Repeated Measurement Designs for Factorial Treatments When High Order Interactions are Negligible", *Journal of Statistical Planning and Inference*, **31**, 81-91, 1992, Chen-Chi Shing, K. Hinkelmann

## 2.  Refereed Proceedings:

"Solving Stochastic Linear Programming Problem Using Simplex Method", Proceedings of International Conference on Applied and Theoretical Information Systems Research, Taipei, Taiwan, December 27- 29, 2012 by Shing, M., Shing, C., Shing, L., Shing, L.

"Internet Privacy Database", Proceedings of Fourth International Symposium on Information Science and Engineering, Shanghai, China, December 14- 16, 2012 by Shing, C., Sureshkumar, J., Powell, A., Htay, M.

"The Security Role and Task Assignments in Enterprise Systems and Cloud Computing", Proceedings of 2012 ACME conference, Rosemead, CA, July 13- July 14, 2012 by K. L. Chen, Huei Lee, Chen-Chi Shing, Marn-Ling Shing

"Security and Privacy Issues in Health Care Information Systems", Transactions of  the International Conference on Health Information Technology Advancement, October 28, 2011, Western Michigan University, Kalamazoo, MI, K. L. Chen, H. Lee, C. C. Shing, and M. L. Shing

"A Game Theory Approach in Information Security Risk Study", Proceedings of 1st International Conference on E-business, Management and Economics, Hon Kong, December 28-30, 2010, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"A Study of Identity Management Features in ERP Systems", Proceedings of International Association for Computer Information Systems conference, Oct 6 – Oct 9 2010, Las Vegas, NV, Kuo Lane Chen, Chen-Chi Shing, Huei Lee, Marn-Ling Shing

"Information Security Risk Assessment Using Markov Models", Proceedings of Third International Symposium on Electronic Commerce and Security, July. 29-31, 2010, Guangzhou, China, Marn-Ling Shing, Chen-Chi Shing

"An Approach for Risk Management and Information Audit", Proceedings of International ACME conference, July 15 – July 17 2010, Macau, China, Kuo Lane Chen, Chen-Chi Shing, Huei Lee, Marn-Ling Shing

"Discrete Mathematics Course Assessment - A Case Study", Proceedings of 2$^{nd}$ International conference on Information and Network Technology, June. 22-24, 2010, Shanghai, China, Marn-Ling Shing, Chen-Chi Shing

"An Analysis of Algorithms Used by Business Intelligence Software", Proceedings of International ACME conference, July 30 – Aug. 1 2009, San Francisco, CA, Kuo Lane Chen, Huei Lee, Chen-Chi Shing, Jiaqin Yang

"Validating a Two Category Secured Access Database Model", Proceedings of 6$^{th}$ International conference on Fuzzy Systems and Knowledge Discovery, Aug. 14-16,2009, Shanghai, China, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Modeling Confidentiality in a Simplified Database Access", Proceedings of International Joint Conferences on Bioinformatics, Systems Biology and Intelligent Computing, Aug. 3-5,2009, Shanghai, China, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Confidentiality Simulation in a Simplified Database Model", Proceedings of Asia-Pacific conference on Information Processing, July. 18-19,2009, Shenzhen, China, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"A Simulation Study of Confidentiality Modeling in a Secured Supply Chain Network", Proceedings of International Symposium on Intelligent. Information Technology Application conference, Dec. 22-23,2008, Shanghai, China, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Comparing Two Methods of Maintaining State Information on the Web: Cookies and Session Management", Proceedings of International ACME conference, July 24-26, 2008, Toronto, Ontario, Canada, Kuo Lane Chen, Huei Lee, Marn-Ling Shing, Chen-Chi Shing

"Business Use of the Computer Forensics Software", Proceedings of International ACME conference, July 12-14, 2007, Las Vegas, Nevada, Huei Lee, Chen-Chi Shing, Kuo Lane Chen, Marn-Ling Shing

"Security Modeling on the Supply Chain Networks ", Proceedings of International EISTA2006 conference, June 20- 23, 2006, Orlando, Florida, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Obstacle of Team Teaching and Collaborative Learning in Information Security ", Proceedings of International EISTA2006 conference, June 20- 23, 2006, Orlando, Florida, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Grid File Systems: A Forensic Analysis", Proceedings of International WMSCI2006 conference, June 16- 19, Orlando, Florida, Joshua Boyd, William Leonard, Brian Nash, Chen-Chi Shing

"Security Issues in Customer Relationship Management Systems", Proceedings of 37$^{th}$ Decision Sciences Institute Southwest Region conference, March 1-4, 2006 Oklahoma City, OK, Huei Lee, Kuo Lane Chen, Chen-Chi Shing, Marn-Ling Shing

"Adaptation of a State of the Art Computer Forensics Course", Proceedings of 8th ICYCS conference, September 20-22, 2005, Beijing, China. Coauthor Melissa Dark, Qing Yuan, Mario Garcia, Isaac Ghansah, Jim Chen, Chen-Chi Shing

"Faculty Development and Employee Training Management Issues in Information Security: Team Teaching, Collaborative Learning and Course Modularization", Proceedings of 2005 ACME conference, San Diego, July 31- Aug. 3, 2005 by Marn-Ling Shing, Chen-Chi Shing, Huei Lee

"A Web-Based Intelligent Survey and Analysis Tool - WIST"
Coauthor Dr. Sung-Chi Chu
invited for panel discussion in Sessions on Internet surveys in 53rd AAPOR Conference, May 17, 1998, St. Louis

"A Web-based Integrated Survey Instrument for Hospitality Industry"
Proceedings of the 5th Annual Hospitality Research Conference, April, 1996, pp 5-8.
Coauthor Dr. Eliza C. Tse & Dr. Sung-Chi Chu

"Using Web Tools to Effectively & Efficiently Carry Out a Survey - A Preliminary Study,"
submitted to the department Technical Report Program, in review (with T.W. Lee & S.C. Chu), 1995

"Automating Statistics in WWW"
Proceedings of 27th Symposium on the Interface, 1995
Coauthor S.C. Chu, T.W. Lee

"Use PVM on Computation of Analysis of Repeated Measurement Designs"
Proceedings of 26th Symposium on the Interface, 1994

"Curve Fitting in X Window System Using Cubic Bezier Curves"
Proceedings of 25th Symposium on the Interface, 1993
Coauthor S.C. Chu, P. Pang

"PostScript Imaging Model"
Proceedings of 24th Symposium on the Interface, 1992

"Repeated Measurement Designs for $3^n$ Factorials When High Order Interactions are Negligible"
Bulletin of Virginia Academy of Science, 1989

"Using SAS/GRAPHS"
submit to RU Computer Science Technical Report, 1990
Coauthor S.C. Chu, Under Revision

**Grants**
(1) Title: Collaborative Project Adaptation of a Computer Forensics Course Date Submitted: Dec 1 2004, and resubmitted to NSF CCLI in 2005, both were rejected
(2) Title: Collaborative Project: Capacity Building in Cyber Forensics Curriculum Development in CS and IT Date Submitted: Dec 21 2004, rejected

**PRESENTATION**

"Solving Stochastic Linear Programming Problem Using Simplex Method", Proceedings of International Conference on Applied and Theoretical Information Systems Research, Taipei, Taiwan, December 27- 29, 2012 by Shing, M., Shing, C., Shing, L., Shing, L.

"Internet Privacy Database", Proceedings of Fourth International Symposium on Information Science and Engineering, Shanghai, China, December 14- 16, 2012 by Shing, C., Sureshkumar, J., Powell, A., Htay, M.

"Integrating Dynamics GP into the Information Systems Audit Course", Microsoft Dynamics Convergence, *April 9, 2011,* Atlanta, GA, Kuo Lane Chen, Huei Lee, Chen-Chi Shing, Jiaqin Yang

"Discrete Mathematics Course Assessment - A Case Study", 2$^{nd}$ International conference on Information and Network Technology, June. 22-24, 2010, Shanghai, China, Marn-Ling Shing, Chen-Chi Shing

"Identity Management in Implementing Microsoft Dynamics GP", Microsoft Dynamics Convergence 2010, April 24, **2010**, Atlanta, GA, **Kuo Lane Chen**, **Tim Wu**, **Chen-Chi Shing**

"Validating a Two Category Secured Access Database Model",  6$^{th}$ International conference on Fuzzy Systems and Knowledge Discovery, Aug. 14-16,2009, Shanghai, China, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Modeling Confidentiality in a Simplified Database Access", International Joint Conferences on Bioinformatics, Systems Biology and Intelligent Computing, Aug. 3-5,2009, Shanghai, China, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Confidentiality Simulation in a Simplified Database Model", Asia-Pacific conference on Information Processing, July. 18-19,2009, Shenzhen, China, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Security and Privacy Issues in E-mail Communication", First Tri-continental Conference on Global Advances in Business Communications, June 24-27, 2009, Ypsilanti, Michigan, Huei Lee, Kuo Lane Chen, Chen-Chi Shing, Marn-Ling Shing

"A Simulation Study of Confidentiality Modeling in a Secured Supply Chain Network", Proceedings of International Symposium on Intelligent. Information Technology Application conference, Dec. 22-23,2008, Shanghai, China, Marn-Ling Shing, Chen-Chi Shing, Kuo Lane Chen, Huei Lee

"Comparing Two Methods of Maintaining State Information on the Web: Cookies and Session Management", Proceedings of International ACME conference, July 24-26, 2008, Toronto, Ontario, Canada, Kuo Lane Chen, Huei Lee, Marn-Ling Shing, Chen-Chi Shing

"Modeling in Confidentiality and Integrity for a Supply Chain Network", Oct 14-19, 2007, Beijing, China, by International Conference on Information Management Association, Kuo Lane Chen, Marn-Ling Shing, Huei Lee, Chen-Chi Shing

"Security Modeling on the Supply Chain Networks ", presented at EISTA2006 conference, June 20- 23, 2006, Orlando, Florida

"Obstacle of Team Teaching and Collaborative Learning in Information Security ", presented at EISTA2006 conference, June 20- 23, 2006, Orlando, Florida

"Adaptation of a State of the Art Computer Forensics Course", ICYCS 2005 Conference, September 22, 2005, Beijing, China

"Faculty-Curriculum Development: What Works and What Doesn't", Secure IT 2005 conference, April 22, 2005, Coauthor Melissa Dark, Purdue Univ;  Qing Yuan, East Tennessee State University;  Mario Garcia, Texas A&M Corpus Christi; Isaac Ghansah, California State University, Sacramental; Jim Chen, University of Maryland University College

"A WEB-BASED INTELLIGENT SURVEY AND ANALYSIS TOOL - WIST"
  Coauthor Dr. Sung-Chi Chu
  invited for panel discussion in Sessions on Internet
  surveys in 53rd AAPOR Conference, May 17, 1998, St.
  Louis

"A Web-Based Intelligent Survey Tool"
InterCASIC'96, In Dec. 1996

  "Automating Surveys in WWW"
Statistics Dept. Seminar, Virginia Tech, in Feb, 1996

  "Automating Statistics in WWW"
Interface95, in June 1995, represented by T.W. Lee

"Using PVM in Computation for Analysis of Repeated
Measurement Designs" Interface94, in June, 1994

"Curve Fitting in X Window System Using Cubic Bezier
Curves"
Interface93, represented by P. Pang

"PostScript Imaging Model"
Interface92, in March, 1992
  "Repeated Measurement Designs for $3^n$ Factorials When High Order
    Interactions are Negligible"
  Virginia Academy of Science, in July, 1989