

Chengcheng Li

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Education

Ph.D. in Computer Science, Minor in MIS, Texas Tech University, June 2005

M.S. in Computer Science, Texas Tech University, December 2002

MBA University of Southern Europe, Monte Carlo, Monaco, September 1999

B.S. in Civil Engineering, Beijing Polytechnic University, June 1998

Professional experience

Assistant Professor (Tenure-track) – East Carolina University, 2006- present

ICT (Information and Computer Technology) Instructor: teach computer networking and information assurance graduate level courses.

Assistant Professor (Tenure-track) – Alcorn State University, 2005-2006

CNIT (Computer Networking and Information Technology) program leader: Led, administrated, and developed curriculums for CNIT program which consists of three concentrations: computer networking, information science, and spatial information system.

Teaching Assistant – Texas Tech University, 2001- 2005

Research Assistant – Texas Tech University, 2000- 2004

Teaching Interests

- Computer Programming: Java, VB, C, C++, ASP, JSP, .NET
 - E-Commerce, Web design and technologies, Network security
 - Database Courses: Oracle 8i, MySql, SQL server
 - Image processing, Computer vision
 - Artificial Intelligence, Machine learning, Pattern recognition, Data mining, Neural networks, Statistics
 - Decision making system, Game theory
 - Data communications, Web services through Sun's J2EE and Microsoft's .NET platforms
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Research Interests

- Web service, Network security, E-commerce, Network traffic management, and Databases
 - Artificial intelligence, Pattern recognition, Neural networks, Data mining
 - Image Processing, 3D image reconstruction, Computer vision
 - Markovian models, Decision making management, Bayesian theory, Reinforcement learning
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Affiliations and Honors

- Member of **IEEE**, since 2001
- Member of **ACM**, since 2004
- Best student paper, International Joint Conference of Neural Network (IJCNN), 2001
- Texas Tech Dissertation/research Award, 2005
- Texas Tech University Scholarship, since 2000
- President of Texas Tech University Chinese Students and Scholars Association, 2002
- Wilson sponsored athlete, since 2004
- President of Texas Tech University Racquetball Club, since 2003
- Intramural racquetball champion, Texas Tech University, 2003, 2004, and 2005
- Intramural table tennis champion, Texas Tech University, 2000
- Intramural badminton champion, Texas Tech University, 2000

Thesis and publications

Doctoral Dissertation:

“Character Localization and Extraction from Complex Backgrounds by Using Markovian Models,” Computer Science Department, Texas Tech University, USA, 2005.

Master’s Thesis:

“Image restoration and segmentation in a larger neighborhood system,” Computer Science Department, Texas Tech University, USA, 2002.

First Author Papers:

Refereed

Journal Articles

Chengcheng Li and William B. Oldham, Adaptive image restoration and segmentation method using different neighborhood sizes, *Journal of Systemics, Cybernetics and Informatics*, volume 2, 2003 (Acceptance rate lower than 10%).

Chengcheng Li and William B. Oldham, Enlarged neighborhood range by using Toplitz-like correlation matrix in Image Recovery and Segmentation, *IEEE Trans. Pattern Analysis and Machine Intelligence*, Under Review

Refereed

Conference

Papers

Chengcheng Li and Larry D. Pyeatt. A short tutorial on reinforcement learning: review and applications. In *Proceedings of the International Conference on Intelligent Information Process*, Beijing, China, October 2004, International Federation for Information Processing and China Computer Federation (IFIP).

Chengcheng Li and Larry D. Pyeatt. Automatic U.S. vehicle license plate extraction and license number splitting under various illumination conditions. In *Proceedings of the International Conference on Computing, Communications and Control Technologies*, volume II, pages 143–148, 2004, University of Texas at Austin and the International Institute of Informatics and Systemics (IIS).

Chengcheng Li and Larry D. Pyeatt. Preprocesses of U.S. vehicle license plate” recognition. In *Proceedings of The 6th IASTED International Conference on Signal and Image Processing*, pages 89–94, Honolulu, Hawaii, August 2004. International Association of Science and Technology for Development (IASTED).

Chengcheng Li and Larry D. Pyeatt. U.S. vehicle license plate localization. In *Proceedings of the International Conference on Computing, Communications and Control Technologies*, volume VII, pages 314–319, Austin, Texas, August 2004. University of Texas at Austin and the International Institute of Informatics and Systemics (IIS).

Chengcheng Li and William B. Oldham, Image restoration and segmentation by using competitive learning in a neighborhood system, , *International Joint Conference on Neural Networks*, volume II, pages 212 – 217, Washington, July, 2001, International Neural Network Society, The Computational Intelligence Society (CIS), and Institute of Electrical and Electronics Engineers - Neural Network Society (IEEE).

Chengcheng Li and William B. Oldham, Adaptive image restoration and segmentation method based on regional correlation coefficient, *The 7th World Multiconference on Systemics, Cybernetics, and Informatics*, volume IV, pages 148-153, Orlando, Florida, July 2003. International Institute of Informatics and Systemics (IIS).

Reviewer:

International Conference on Computing Communications and Control Technologies (**CCCT2006**)

Seventh International Conference on Electronic Commerce (**ICEC2005**)

International Conference on Computing Communications and Control Technologies (**CCCT2005**)

International Conference on Machine Learning (**CML2004**)

International Conference on Computing Communications and Control Technologies (**CCCT2004**)