Full Publication List of Chengqing Li (2004-2016)

Journal Papers

2016

1. Zhuosheng Lin, Simin Yu, **Chengqing Li***, Jinhu Lü, Qianxue Wang, "**Design and smartphone-based implementation of a chaotic video communication scheme via WAN remote transmission**," *International Journal of Bifurcation and Chaos*, vol. 26, no. 9, art. no. 1650158, 2016 doi
2. Ping Chen, Simin Yu, Xiaoyang Zhang, Jianbin He, **Chengqing Li***, Jinhu Lü, "**ARM-embedded implementation of a video chaotic secure communication via WAN remote transmission with desirable security and frame rate**," *Nonlinear Dynamics*, vol. 86, no. 2, pp. 725-740, 2016 doi
3. Qianxue Wang, Simin Yu, **Chengqing Li***, Jinhu Lü, Xiaole Fang, Christophe Guyeux, Jacques M. Bahi, "**Theoretical design and FPGA-Based implementation of higher-dimensional digital chaotic systems**," *IEEE Transactions on Circuits and Systems I: Regular Papers*, vol. 63, no. 3, pp. 401-412, 2016 PDF doi
4. Xiaowei Li, **Chengqing Li**, In-Kwon Lee, "**Chaotic image encryption using pseudo-random masks and pixel mapping**," *Signal Processing*, vol. 125, pp. 48-53, Aug 2016 PDF doi
5. **Chengqing Li**, "**Cracking a hierarchical chaotic image encryption algorithm based on permutation**," *Signal Processing*, vol. 118, pp. 203–210, Jan 2016 doi PDF

2015

6. **Chengqing Li**, Shujun Li, "**Network analysis of the state space of chaotic map in digital domain**," 2015 PDF
7. Yuansheng Liu, Hua Fan, Eric Yong Xie, Ge Cheng, **Chengqing Li***, "**Deciphering an image cipher based on mixed transformed Logistic maps**," *International Journal of Bifurcation and Chaos*, vol. 25, nol. 13, art. no. 1550188, Dec 2015 doi PDF
8. Kongfeng Zhu, **Chengqing Li**, Vijayan Asari, and Dietmar Saupe, "**No-reference video quality assessment based on artifact measurement and statistical analysis**," *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 25, no. 4, pp. 533-546, Apr 2015 doi

2014

9. **Chengqing Li**, Tao Xie, Qi Liu, Ge Cheng, "**Cryptanalyzing image encryption using chaotic logistic map**," *Nonlinear Dynamics*, vol. 78, no. 2, pp. 1545-1551, Oct 2014 doi PDF
10. **Chengqing Li**, Yuansheng Liu, Leo Yu Zhang, Kwok-wo Wong, "**Cryptanalyzing a class of image encryption schemes based on Chinese Remainder Theorem**," *Signal Processing: Image Communication*, vol. 29, no. 8, pp. 914–920, Sep 2014 doi PDF

2013

11. **Chengqing Li**, Yuansheng Liu, Tao Xie, Michael Z. Q. Chen, "**Breaking a novel image encryption scheme based on improved hyperchaotic sequences**," *Nonlinear Dynamics*, vol. 73, no. 3, pp. 2083-2089, May 24 2013 doi PDF
12. **Chengqing Li**, Yuansheng Liu, Leo Yu Zhang, Michael Z. Q. Chen, "**Breaking a chaotic image encryption algorithm based on modulo addition and XOR operation**,"

International Journal of Bifurcation and Chaos, vol. 23, no. 4. art no. 1350075, Apr 2013 doi PDF

13. Qin Li, **Chengqing Li**, Zhonghua Wen, Weizhong Zhao, W. H. Chan, "**On the security of arbitrated quantum signature schemes**," *Journal of Physics A: Mathematical and Theoretical*, vol. 46, art no. 015307, Jan 2013, IOP Publishing doi PDF
14. Qin Li, **Chengqing Li**, Dong-Yang Long, W. H. Chan, Changji Wang, "**Efficient arbitrated quantum signature and its proof of security**," *Quantum Information Processing*, vol. 12, no. 7, pp. 2427-2439, Jul 2013 Springer doi

2012

15. **Chengqing Li**, Yu Zhang, Rong Ou, Kwok-Wo Wong, "**Breaking a novel colour image encryption algorithm based on chaos**," *Nonlinear Dynamics*, vol. 70, no. 4, pp. 2383-2388, Oct 11 2012 Springer doi PDF
16. Yu Zhang, **Chengqing Li***, Kwok-Wo Wong, Shi Shu, Guanrong Chen, "**Cryptanalyzing a chaos-based image encryption algorithm using alternate structure**," *The Journal of Systems and Software*, vol. 85, no. 9, pp. 2077-2085, Sep 2012 doi PDF
17. Yu Zhang, **Chengqing Li***, Qin Li, Dan Zhang, Shi Shu, "**Breaking a chaotic image encryption algorithm based on perceptron model**," *Nonlinear Dynamics*, vol. 69, no. 3, pp. 1091-1096, Aug 2012 Springer doi PDF

2011

18. Qin Li, **Chengqing Li**, Dong-Yang Long, W. H. Chan, Chun-Hui Wu, "**On the impossibility of non-static quantum bit commitment between two parties**," *Quantum Information Processing*, vol. 11, no. 2, pp. 519-527, Apr 2011 Springer doi PDF
19. **Chengqing Li**, Michael Z. Q. Chen, Kwok-Tung Lo, "**Breaking an image encryption algorithm based on chaos**," *International Journal of Bifurcation and Chaos*, vol. 21, no. 7, pp. 2067-2076, Jul 2011 doi PDF
20. **Chengqing Li**, Kwok-Tung Lo, "**Optimal quantitative cryptanalysis of permutation-only multimedia ciphers against plaintext attacks**," *Signal Processing*, vol. 91, no. 4, pp. 949-954, Apr 2011, Elsevier doi PDF
21. **Chengqing Li,** Shujun Li, Kwok-Tung Lo, "**Breaking a modified substitution-diffusion image cipher based on chaotic standard and logistic maps**," *Communications in Nonlinear Science and Numerical Simulation*, vol. 16, no. 2, pp. 837-843, Feb 2011, Elsevier doi PDF

2010

22. **Chengqing Li**, David Arroyo, Kwok-Tung Lo, "**Breaking a chaotic cryptographic scheme based on composition maps**," *International Journal of Bifurcation and Chaos*, vol. 20, no. 8, pp. 2561-2568, Sep 2010, World Scientific doi PDF
23. **Chengqing Li**, Shujun Li, Kwok-Tung Lo, Kyandoghere Kyamakya, "**A differential cryptanalysis of Yen-Chen-Wu multimedia cryptography system (MCS)**," *The Journal of Systems and Software*, vol. 83, no. 8, pp. 1443-1452, Aug 2010, Elsevier doi PDF

2009

24. **Chengqing Li**, Shujun Li, Muhammad Asim, Juana Nunez, Gonzalo Alvarez, Guanrong Chen, "**On the security defects of an image encryption scheme**," *Image and Vision Computing*, vol. 27, no. 9, pp. 1371-1381, August 2009

Elsevier doi PDF

25. David Arroyo, Gonzalo Alvarez, Shujun Li, **Chengqing Li**, Veronica Fernandez,
"**Cryptanalysis of a new chaotic cryposystem based on ergodicity**,"
International Journal of Modern Physics B, vol. 23, no. 5, pp. 651-659, 2009 World Scientific doi
26. David Arroyo, **Chengqing Li**, Shujun Li, Gonzalo Alvarez, Wolfgang A. Halang,
"**Cryptanalysis of an image encryption scheme based on a new total shuffling algorithm**,"
Chaos, Solitons & Fractals, vol. 41, no. 15, pp. 2613-2616, 2009 Elsevier doi
27. **Chengqing Li**, Shujun Li, Guanrong Chen, Wolfgang A. Halang,
"**Cryptanalysis of an image encryption scheme based on a compound chaotic sequence**,"
Image and Vision Computing, vol. 27, no. 8, pp. 1035-1039, July 2009 Elsevier doi PDF
28. David Arroyo, **Chengqing Li**, Shujun Li, Gonzalo Alvarez,
"**Cryptanalysis of a computer cryptography scheme based on a filter bank**,"
Chaos, Solitons & Fractals, vol. 41, no. 5, pp. 2613-2616, 2009 Elsevier doi PDF

2008

29. **Chengqing Li,** Dan Zhang, Guanrong Chen,
"**Cryptanalysis of an image encryption scheme based on the Hill cipher**,"
Journal of Zhejiang University SCIENCE A, vol. 9, no. 8, pp. 1118-1123, 2008 doi PDF
30. Shujun Li, **Chengqing Li**, Kwok-Tung Lo, Guanrong Chen,
"**Cryptanalyzing an encryption scheme based on blind source separation**,"
IEEE Transactions on Circuits and Systems I, vol. 55, no. 4, pp. 1055-1063, May 2008 IEEE doi PDF
31. Shujun Li, **Chengqing Li**, Guanrong Chen and Kwok-Tung Lo,
"**Cryptanalysis of the RCES/RSES Image Encryption Scheme**,"
The Journal of Systems and Software, vol. 81, no. 7, pp. 1130-1143, 2008 Elsevier doi PDF
32. Shujun Li, **Chengqing Li**, Guanrong Chen, Nikolaos G. Bourbakis, Kwok-Tung Lo,
"**A general quantitative cryptanalysis of permutation-only multimedia ciphers against plaintext attacks**,"
Signal Processing: Image Communication, vol. 23, no. 3, pp. 212-223, 2008 Elsevier doi PDF
33. Shujun Li, **Chengqing Li**, Kwok-Tung Lo, Guanrong Chen,
"C**ryptanalysis of an image scrambling scheme without bandwidth expansion**,"
IEEE Transactions on Circuits and Systems for Video Technology, vol. 18, no. 3, 338-349, Mar 2008 IEEE doi PDF
34. **Chengqing Li**, Shujun Li, Gonzalo Alvarez, Guanrong Chen, Kwok-Tung Lo,
"**Cryptanalysis of a chaotic block cipher with external key and its improved version**,"
Chaos, Solitons & Fractals, vol. 37, no. 1, pp. 299–307, 2008 Elsevier doi PDF
35. David Arroyo, Gonzalo Alvarez, Shujun Li, **Chengqing Li**, Juana Nunez,
"**Cryptanalysis of a discrete-time synchronous chaotic encryption system**,"
Physics Letters A, vol. 372, no. 7, pp. 1034-1039, 2008 Elsevier doi

2007

36. **Chengqing Li**, Shujun Li, Gonzalo Alvarez, Guanrong Chen, Kwok-Tung Lo,
"**Cryptanalysis of two chaotic encryption schemes based on circular bit**

shift and XOR operations,"
Physics Letters A, vol. 369, no.1-2, pp. 23-30, 10 Sep 2007 Elsevier doi PDF

2006 37. Shujun Li, **Chengqing Li**, Kwok-Tung Lo, Guanrong Chen,
"**Cryptanalysis of an Image Encryption Scheme**,"
Journal of Electronic Imaging, vol. 15, no. 4, 043012-1~13, 2006 Elsevier doi

38. **Chengqing Li**, Shujun Li, Der-Chyuan Lou, Dan Zhang,
"**On the security of the Yen-Guo's domino signal encryption algorithm (DSEA)**,"
The Journal of Systems and Software, vol. 79, no. 2, pp. 253-258, Feb 2006 Elsevier doi PDF

39. **Chengqing Li**, Shujun Li, Dan Zhang, Guanrong Chen,
"**Cryptanalysis of a data security protection scheme for VoIP**,"
IEE Proceedings-Vis. Image Signal Process, vol. 153, no. 1, pp. 1-10, 2006 IEEE doi

2005 40. **Chengqing Li**, Shujun Li, Guanrong Chen, Gang Chen, Lei Hu,
"**Cryptanalysis of a New Signal Security System for Multimedia Data Transmission**,"
EURASIP Journal on Applied Signal Processing, vol.2005, no.8, pp.1277-1288, 2005 doi

Conference Papers

2011 1. Shujun Li, **Chengqing Li**, C.-C. Jay Kuo,
"**On the Security of a Secure Lempel-Ziv-Welch (LZW) Algorithm**,"
Proceeding of *12th IEEE International Conference on Multimedia and Expo (ICME 2011)* art. no. 6011939, 2011 doi

2010 2. **Chengqing Li**, Kwok-Tung Lo,
"**Cryptanalysis of an image encryption scheme using cellular automata substitution and SCAN**,"
The 2010 Pacific-Rim Conference on Multimedia (PCM 2010)Lecture Notes in Computer Science, vol. 6297, pp. 601-610, 2010 doi

2008 3. **Chengqing Li**, Guanrong Chen,
"**On the security of a class of image encryption schemes**,"
Proceeding of IEEE International Symposium on Circuits and Systems 2008, pp. 3290-3293, 2008 doi PDF

2005 4. **Chengqing Li**, Shujun Li, Dan Zhang, Guanrong Chen,
"**Chosen-Plaintext Cryptanalysis of a Chaotic Cipher Based on a Clipped Neural Network**,"
International Symposium on Neural Networks 2005,*Lecture Notes in Computer Science*,vol. 3497, pp. 630-636, 2005 doi PDF

5. **Chengqing Li**, Xinxiao Li, Shujun Li, Guanrong Chen,
"**Cryptanalysis of a Multistage Encryption System**,"
Proceeding of IEEE International Symposium on Circuits and Systems 2005, pp. 880-883, 2005 doi

2004 6. **Chengqing Li**, Shujun Li, Dan Zhang, Guanrong Chen,
"**Cryptanalysis of a Chaotic Neural Network Based Multimedia Encryption Scheme**,"
Pacific Rim Conference on Multimedia 2004, *Lecture Notes in Computer Science*, vol. 3333, pp. 418-425, 2004 doi