


I-Te Chen Curriculum vitae

Basic information

Chinese name	English name	
陳以德	I-Te Chen	

Schools	Department	Degree	Start and end date
National Chiao-Tung University	Computer Science and Information Engineering	Ph.D	1998~2005
National Cheng-Chi University	Second specialty course - English teacher	Bachelor	1998
National Chiao-Tung University	Computer Science and Information Engineering	Master	1995~1997
National Cheng-Chi University	Mathematical Science minored in education	Bachelor	1992~1995
National Kaohsiung Institute of Technology	Electronic Engineering	College	1983~1989

Current post

Service agencies	Department	Affiliation	Start and end date
Kaohsiung Medical University	Healthcare Administration and Medical Informatics	Associate Professor	2014/8~
Republic of China	Cryptology and Information Security Association	Director	2015/5~

Experience

Republic of China	Cryptology and Information Security Association	Vice-secretary	2013/8~2015/5
Kaohsiung Medical University	Continuing Education & Social Resources	Chief	2007/8~2015/7
Kaohsiung Medical University	Fundamental Science	Associate Professor	2013/8~2014/7

Kaohsiung Medical University	General Education Center	Assistant Professor	2006/2~2013/7
Chien-Hsin University of Science and Technology;	Kaohsiung Medical University; Wenzao Ursuline University of Languages	Lecturer	2003-2005
Chunghwa Telecom Laboratories	Internet trust services	Assistant Researcher	2001-2002
Pei Teh Industrial and Home Economics Vocational High School	Information, Mathematics	teacher	1997-1998

Specialty

Network

Security

Cryptography

Watermark

Information Exchange

Research

(A) Journal Papers

1. Chun-I Fan, **Jheng-Jia Huang**, Shang-Wei Tseng and **I-Te Chen*** "Dependable Data Outsourcing Scheme Based on Cloud-of-Clouds Approach," IEEE Transactions on Cloud Computing, revised, August, 2016. (IF=3.77) [SCI]
2. Chun-I Fan, **I-Te Chen***, Chen-Kai Cheng, Jheng-Jia Huang, and Wen-Tsuen Chen, "FTP-NDN: File Transfer Protocol Based on Re-Encryption for Named Data Network Supporting Non-Designated Receivers," IEEE System Journal, recommended publication, Accepted, May, 2016. (IF=2.114, Computer Science/Information systems 27/143=18.89%) [SCI]
3. Jer-Min Tsai, **I-Te Chen**, Ying-Fong Huang and Cheng-Che Lin*, "Watermarking Technique for Improved Management of Digital Medical Images," Journal of Discrete Mathematical Sciences & Cryptography, Accepted April, 2015. [EI]
4. Jinn-Tsong Tsai, Yi-Lung Chiang, **I-Te Chen**, and Jyh-Horng Chou*, "Genetic Algorithm for Optimal Resolution Planning in DOE-based Taguchi Method," Journal of Chinese Society of Mechanical Engineers, Accepted 2014. (IF=0.274, Engineering, Mechanical 114/125) [SCI]
5. Shi HY, Hwang SL, Lee IC, **Chen IT**, Lee KT,* Lin CL, "Trends and Outcome Predictors after Traumatic Brain Injury Surgery: A Nationwide Population-Based Study in Taiwan," Journal of Neurosurgery, Accepted 2014. (IF=3.148, SURGERY 21/198) [SCI]
6. **I-Te Chen** "Random Numbers Generated from Audio and Video Sources," Vol. 2013, Article ID: 285373, Mathematical Problems in Engineering, 2013. IF: 1.383, ranking: 23/90 (25.56%) [SCI]
7. **I-Te Chen**, Jinn-Tsong Tsai, Ching-Feng Wen and Wen-Hsien Ho*, "Artificial neural network with hybrid Taguchi-genetic algorithm for nonlinear MIMO model of machining processes," Int. J. of Innovative Computing, Information and Control, Vol. 9, No.4, pp.1455-1475, April, 2013. [EI]
8. **I-Te Chen**, Jer-Min Tsai, and Jengnan Tzeng*, "Re-encryption method designed by Row

Complete Matrix," Vol. 2012, Article ID: 402890, Mathematical Problems in Engineering. [SCI] IF: 0.777, ranking: 42/90 (46.67%)

9. Jer-Min Tsai, Jengnan Tzeng, and **I-Te Chen***, "Random Number Generated from white noise of Video," ICIC Express Letter, Vol.6, No.7, pp. 1827-1832, 2012. [EI]
10. Wen-Hsien Ho, Shinn-Horng Chen, **I-Te Chen**, Jyh-Horng Chou and Chun-Chin Shu* "Design of Stable and Quadratic-Optimal Static Output Feedback Controllers for TS-Fuzzy-Model- Based Control Systems: An Integrative Computational Approach," International Journal of Innovative Computing, Information and Control, Vol.8, No.1(A), pp. 403-418, January 2012. [EI]
11. Chieh-Fan Chen, Wen-Hsien Ho, Shu-Mei Yang, **I-Te Chen** and Hon-Yi Shi*, "Long-term prediction of emergency department revenue and visitor volume using autoregressive integrated moving average model", Computational and Mathematical Methods in Medicine, Vol. 2011, Article ID 395690. [SCI/EI] IF: 0.814, ranking: 30/37 (81.08%)
12. Ming-Hsin Chang, **I-Te Chen***, and Ming-Te Chen, "Enhance ECDSA to Identity-based Proxy Signature Scheme," Journal of Information Assurance and Security (JIAS), Vol.5 Issue 4, pp. 360-366. 2010.
13. Yi-Shiung Yeh, Ting-Yu Huang, **I-Te Chen***, and Shih-Chin Chou, "Analyze SHA-1 in message schedule," Journal of Discrete Mathematical Sciences & Cryptography, Vol. 10(2007), No. 1, pp.1-7. Feb. 2007. [EI]
14. Yi-Shiung Yeh, **I-Te Chen***, Ting-Yu Huang, and Chan-Chi Wang, "Dynamic Extended DES," Journal of Discrete Mathematical Sciences & Cryptography, Vol. 9, No.2, pp.321-330, Aug. 2006. [EI]
15. **I-Te Chen**, Ming-Hsin Chang, and Yi-Shiung Yeh "Design of proxy signature schemes in the Digital Signature Algorithm (DSA)" Journal of Information Science and Engineering, Vol. 22 No. 4, pp. 965-973, July 2006. [SCI/EI] Impact Factor 0.235 ranking: 83/87
16. **I-Te Chen**, and Yi-Shiung Yeh "Security analysis of Transformed-Key Asymmetric Watermarking System," IEEE Signal Processing Letters, Vol. 13, Issue 4, pp.213- 215, April 2006. [SCIE/EI] Impact Factor 0.722 ranking:103/206 50% (2006)
17. Yi-Shiung Yeh, **I-Te Chen***, and Chan-Chi Wang, "Randomizing Encryption Mode" Journal of Discrete Mathematical Sciences & Cryptography, Vol. 8(2005), No.3, pp.355-364, DEC. 2005. [EI]
18. **I-Te Chen**, and Yi-Shiung Yeh, "Proxy Signature Scheme Based on Quadratic Residues," Asian Journal of Information Technology, Vol. 4 No. 5, pp. 541-549, May, 2005.
19. Yi-Shiung Yeh, Ming-Hsin Chang, **I-Te Chen*** and I-Chen Wu "Schnorr Blind Signature Scheme based on Elliptic Curves," Asian Journal of Information Technology, Vol. 2 No. 3, pp.130-134, July-September, 2003.
20. Yi-Shiung Yeh, Wei Shen Lai, and **I-Te Chen***, "An N-D Cryptoscheme," Journal of Information & Optimization Sciences, Vol. 23, No.1, pp. 19-36, Jan. 2002. [EI]
21. 曾正男, **陳以德***, "利用破壞自格函數的平滑性設計之亂數產生器,"資訊安全通訊, Communications of the CCISA, Vol. 15 No. 1, pp.22-31, January, 2009.
22. 簡文山、**陳以德**、郭乃文、楊哲銘,"可攜式電子病歷的初步安全基礎架構---以 TMT 為例," 資訊安全通訊, Communications of the CCISA, Vol. 14 No. 4, pp.149-161, October 10, 2008.
23. 張靜芬, 郭宏亮, **陳以德**, 盧天鴻* "MRI 作業場所的電磁輻射強度之調查," 中華民國環境保護學會學刊, Journal of the environmental protection society, Vol. 30 No. 2, pp. 114-122, Feb. 2007. ISSN: 0254-0010.
24. Chan-Chi Wang, Wei Shen Lai, **I-Te Chen***, and Yi-Shiung Yeh, "一個同態墊塞機制,"

(B) Conference Papers

1. Cheng-Yuan Wang, Wen-Yu Ho, Ying-Fong Huang, Jer-Min Tsai, **I-Te Chen**, and Jer-Chia Tsai, "Genetic-Psycho-Social-Biological Encounter (GPSBE) SOAP mind map approach for clinical reasoning and medical record: A pilot study for medical clerk ship in general internal medicine," Association for Medical Education in Europe (AMEE), Poster Presentation. 7HH9 (19628) 30 August~3 September 2014.
2. Jer-Min Tsai, **I-Te Chen**, and Jengnan Tzeng*, "Rounding error type random number generator designed by subspace projection," International Workshop on Cloud Computing and Information Security (CCIS 2013), Paper ID: CS29252, pp.123-126, Shanghai, 2013.11-9~11.
2. Jer-Min Tsai, **I-Te Chen**, Ying-Fong Huang and Cheng-Che Lin*, "Watermarking Technique for Improved Management of Digital Medical Images," The Second Cross-Straits Conference on Information Security (CSCIS 2013), pp.13-25, 2013. 9.11~13.
3. Shi, H.-Y, Tsai, J.-T, Ho, W.-H, Wang, S.-C, **Chen, I-Te**, Lee, K.-T, "Comparison of artificial neural network and logistic regression models for predicting in-hospital survival after hepatocellular carcinoma surgery," Society of Instrument and Control Engineers of Japan, SICE 2012, Article number:6318640, pp. 1262-1265, Akita, 2012.8.20~23.
4. Jengnan Tzeng, Jer-Min Tsai and **I-Te Chen***, "Secure File Sharing in the Cloud by Row Complete Matrix Re-encryption Method," Innovative Management, Information & Production in Otaru (IMIP2011 Excellent paper award), pp.13-24, October 8-10, 2011.
5. **I-Te Chen**, Jer-Min Tsai, and Jengnan Tzeng*, "Audio Random Number Generator and its Application," IEEE International Conference on Machine Learning and Cybernetics (ICMLC 2011, ISBN 978-1-4577-0305-8), pp.1678-1683, July 10-13, 2011. [EI]
6. Jer-Min Tsai, **I-Te Chen***, and Jengnan Tzeng, "Random number generated from white noise of webcam," IEEE International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP 2009, ISBN 978-1-4244-4717-6), pp.214-217, September 12-14, 2009. [EI]
7. Jengnan Tzeng, **I-Te Chen***, and, Jer-Min Tsai "Random Number Generator designed by the divergence of scaling functions," IEEE International Conference on Intelligent Information Hiding and Multimedia Signal Processing (IIHMSP 2009, ISBN 978-1-4244-4717-6), pp.1038-1041, September 12-14, 2009.[EI]
8. Ming-Hsin Chang, **I-Te Chen***, and Ming-Te Chen "Design of Proxy Signature in ECDSA," IEEE International Conference on Intelligent Systems Design and Applications (ISDA 2008, ISBN 978-0-7695-3382-7), Vol.3, pp. 17~22, 2008.11.26-28. [EI]
9. **I-Te Chen**, Yi-Shiung Yeh, and Ming-Hsin Chang, "Proactive secret sharing proxy signature scheme with proxy share recovery," International Association for Computer Information Systems (IACIS) Pacific 2005. pp. 52-58. 2005.5.20.
10. 蔡哲民, 曾正男, **陳以德***, "參數式列完備矩陣之轉加密方法," 全國資訊安全會議 (CISC2015), pp. 129-133, 2015.5.28~29.
11. 蔡哲民, **陳以德**, 楊東霖, 劉浩暉, "以手機搖動亂數為基礎的 LBS 餐廳選擇器," NCS 2013.
12. 林皇辰, 黃英峰*, 鍾相彬, **陳以德**, 蔡哲民, "核子醫學全身骨掃描及鎵-67 掃描影像融合," International Symposium on Frontier Biomedical and Molecular Imaging(ISFBMI), Poster. Nov. 5-6, 2011.
13. 盧天鴻, **陳以德**, 黃英峰, 蔡哲民, 林正哲* "運用 Watermark 增進電子病歷影像之安全

性,”第 14 屆電子商務研討會, 2010.10.30.

14. **陳以德**, 曾正男, 蔡哲民*, ”適用於多媒體時代的亂數產生器,” 2010 International Conference on Multimedia Communication Technology and Application (IMCTA 2010), 台南, pp.35-42, 2010.10.29
15. 李正崙, 朱慧媛, 孫靖婷, 楊滕清, 廖晏辰, 莊峻鴻, **陳以德***, 陳明德, “結合憑證之安全電子病歷傳輸系統,” 全國計算機會議 National Computer Symposium (NCS 2009), 2009.11.27~28
16. 葉義雄, **陳以德***, 黃定宇, 及周士欽, “分析與改進 SHA-1 的訊息處理模式,” 全國資訊安全會議 (CISC2005), 2005.6.9~10.
17. **陳以德**, 李正國 “利用層級分析法進行國中生教育類網站評鑑,” 「學習與創造·教育與創新」國際研討會論文集, pp. 354-364, 2005.5.20.

(c) Research Project

1. NSYSUKMU, Cloud-based electronic medical records system security integration of biomedical signals, 103/1/1~103/12/31, NSYSUKMU 103-I-001, Sub-program Chairman
2. Ministry of Science and Technology, Random number generator of the R&D system, 2013/08/01~2014/07/31, 102-2218-E-168-001-, Collaborative Chairman
3. NSYSUKMU, Intuitive development of secure electronic medical records, 102/1/1~102/12/31, NSYSUKMU-P001, Chairman
4. Ministry of Science and Technology, Random number generator based on personal equipment, 2010-2011, NSC 99-2221-E-037-004, Chairman
5. KMU Teaching Excellence Project, 2007/8~, Sub-program Chairman
6. Ministry of Education, “cultural and creative industries,” 2007/8-2008/1, Chairman

(D) Patent

(Certified)

1. United States Patent (US 13/364,797, Publication No.: US 2013/0204915A1, Authorize No.: US 8793296 B2) : Random number generating method, 2014-07-29
2. United States Patent (US 13/422,159, Publication No.: US2013/0246789A1, Authorize No.: US8533493 B1) : Method for Securing Transmission Data, 2013-9-10
3. ROC Patent (Authorize No.: I462009) : 亂數產生方法(Method for Random Number Generation), 2014-11-21
4. ROC Patent (Authorize No.: I488476) : 基於完整列矩陣之再加密方法(Re-encryption method based on row-complete matrix), 2015-06-11
5. ROC Patent (Authorize No.: I501189) : 擬人化醫療資訊紀錄方法及輔助診療系統 (Avatar-based Charting System for Assisted Diagnosis), 2015-09-21
6. ROC Patent (Publication No.: I505228) : 一種自主復健動作量化評估系統 (A Self-care system for assisting quantitative assessment of rehabilitation movement), 2015-10-21
7. ROC Patent (Publication No.: I509556) : 目標導向復健輔助系統與其工作設定方法 (Goal-oriented rehabilitation assistance system to their work setting method), 2015-11-21

(Applications)

8. ROC Patent (Publication Number: 201530478) : 復健動作編輯與圖形化評量系統, 2015/08/01

9. ROC Patent (Publication No.): 一種擴增實境動作編輯與評估系統 (augmented reality action editing and evaluation system), 2013-8-5
10. 發明專利(申請號: 105110617): 資料加解密系統及其加解密方法(一種門檻式存取驗證之容錯式資料庫加解密方法與系統), 2016-04-1
11. United States Patent (Publication No.: US-2015-0261925-A1): Avatar-based Charting System for Assisted Diagnosis, 2015-9-17