姓名: 王邦傑

學歷: 國立成功大學 工程科學所 博士

經歷:

2022.03.01～工研院資通所 人工智慧治理與數位醫療技術部 經理

2018.09.01～2022.02.28 工研院巨資中心 資料隱私與平台技術部 經理

2017.05.01～2018.08.31 工研院巨資中心 副經理

2015.07.01～迄今 工研院巨資中心 資深工程師

2013.05～2015.06 工研院巨資中心 工程師

2010.10～2013.04 工研院資通所 工程師

榮譽:

2022 R&D100 "Point-of-Care AI-DR" Software/Service

2022 愛迪生獎 科學與醫藥類 銅牌 眼部醫學影像輔助診斷系統

2021 第 18 屆國家新創獎 精進續獎 糖尿病眼底影像人工智慧輔助判讀系統-以持續精進創新之具體研發進程、糖尿病黃斑部病變診斷&協助廠商通過 TFDA 認證

2020 第 17 屆國家新創獎 學研創新組 糖尿病眼底影像人工智慧輔助判讀系統

2019～2022 總統盃駭客松專家顧問團

2017 新竹縣優秀青年代表

2016 工研院產業化貢獻獎

2016 全國標準化獎 前瞻技術貢獻獎 (個人資料去識別化技術)

2008 第九屆 工業銀行創業大賽 第三名 作品：地圖書籤

2008 中華電信加值應用大賽 資通訊技術應用組 第一名 作品：地圖書籤

參與計劃與工作經歷:

2022.07	台電公司『低壓 AMI 資料整合平台建置與用戶關係應用之研究』主持人
2022.03～	經濟部水利署『全台水資源管理系統建置案』主持人
2022.02～	通傳會『6G 自主技術發展先期規劃-跨領域應用規劃』主持人
2022.02～	科技部『提升創新應用科技之綜效與國際影響力委託專

	業服務案』子項主持人
2022.01	經濟部『人工智慧速捷技術(FAST AI) -聯合學習』主持人
2021.10~2022.12	財金公司『金融資料保全運作機制研究案』主持人
2021.04~2022.03	經濟部『數位信任鑑識技術先導研發計畫 -不實資訊鑑識分析與決策處理』子項主持人
2021.01~	經濟部『主動式資安情資與智能偵防技術計畫』- 企業雲端-邊緣協作之威脅偵測子項主持人
2020.07~2021.06	科技部『醫療影像智慧應用推動辦公室委外服務案』計畫協同主持人
2020.01~	經濟部『人工智慧導向資安共創技術計畫』- 自動化核心分析技術子項主持人
2017.01~2020.12	『智慧型資安與新興應用整合技術研發計畫』-資料隱私防護技術分項計畫主持人
2016.08~2020.06	國網中心委託『資料市集商業模式機制之推動與技術開發規範之建立』 計畫主持人
2016.08~2016.12	衛福部『個資去識別化驗證技術輔導』計畫主持人
2015.08~2015.11	財政部財政資訊中心『個資去識別化驗證』技術輔導 計畫主持人
2015.05~2020.6	科技部『巨量資料應用研究計畫辦公室計畫委外服務案』分項主持人
2015.04~迄今	經濟部『巨資雲-端安全聯防技術開發』前瞻技術研發計畫 研發工程師、資深工程師
2010.10~2014.12	科技部『資通安全與資料防護技術發展計畫』-智慧終端安全應用技術分項研發工程師、子項主持人

演講活動

2019.11.28	巨資中心 『AI 金融 Workshop』- "資料隱私框架下的AI 金融創新"
2019.10.25	行政院資安會報『資安法律案例分享說明會』- "從近期資安事件案例談如何以技術機制應對資安威脅"
2018.04.27	DIGITIMES『資安-AI 物聯網應用時代的隱藏推手研討會』- "AI 與巨量資料分析的資料隱私議題"

2017.10.20	行政院資安會報『106 年資通安全法律暨案例分享說明會』-"從案例剖析資通安全技術面防護策略"
2016.10.11	雲端產業協會『政府雲端與巨量資料應用與技術研討會』-"資料隱私與去識別化"
2016.04.29	法務部『個人資料去識別化過程驗證機制及相關法律責任探討』研習會-"個人資料去識別化技術輔導與流程"
2016	農委會『資料開放-個人資料去識別化』專題演講(北中南共三場) 資料隱私與去識別化"
2016	國發會『資料去識別化推廣活動』(北中南東共四場)-"資料隱私與去識別化"

學術發表

Journal Paper

1. Pang-Chieh Wang, Ting-Wei Hou, Jung-Hsuan Wu and Bo-Chiuan Chen, "A Security Module for Car Appliances," International Journal of Mechanical Systems Science and Engineering (IJMSSE) (ISSN 1307-7473), Pages 155-160 Article# 27, Volume 1, Issue 3 Summer 2007.

2. Cheng-Liang Lin, Pang-Chieh Wang and Ting-Wei Hou, "A wrapper and broker model for collaboration between a set-top box and home service gateway," IEEE Transactions on Consumer Electronics, Volume 54, Issue 3, Pages 1123-1129, August 2008.

3. Cheng-Liang Lin, Pang-Chieh Wang, Ting-Wei Hou, "Classification and Evaluation of Middleware Collaboration Architectures for Converging MHP and OSGi in a Smart Home," Journal of Information Science and Engineering, Volume 25, Issue 5, Pages 1337-1356, Sep. 2009.

4. Pang-Chieh Wang, Cheng-Liang Lin, Ting-Wei Hou, "A Service-layer Diagnostic Approach for the OSGi Framework" IEEE Transactions on Consumer Electronics ,Volume: 55 , Issue: 4, pages 1973-1981 , November 2009

5. 王邦傑,陳彥學,廖文全," 隱私保護技術原理及驗證實務-個人資料去識別化驗證案例", 科技法律透析 Science & Technology Law Review, p.64~72,20160601

6. Wei J. Chen, Shih-Yi Yang, Jung-Chih Chang, Wei-Che Cheng, Tzu-Pin Lu, Yu-Neng Wang, Ming-Hao Juan, Ruey-Tzer Hsu, Song-Ren Huang, Jia-Jang Tu, Pang-Chieh Wang, Vincent W.-S.Feng, Pei-ZenChang, "Development of a semi-structured, multifaceted, computer-aided questionnaire for outbreak investigation: e-Outbreak Platform", Biomedical Journal, Volume 43, Issue 4, Pages 318-324, August 2020

Conference Paper

1. Pang-Chieh Wang, Ting-Wei Hou "An XML Parser for Embedded Applications" 2002 Symposium on Digital Life and Internet Technology Technologies, 27,28 June 2002, Tainan, Taiwan

2. Pang-Chieh Wang, Ting-Wei Hou, "An AV object oriented encryption algorithm for MPEG-4 streams", in Conference of the Multimedia and Expo, pages 971-974, June, 2004 Taipei.

3. Pang-Chieh Wang, Ting-Wei Hou and Ruei-Hong Yan, "Maintaining Coverage by Progressive Crystal-Lattice Permutation in Mobile Wireless Sensor Networks," 2006 International Conference on Systems and Networks Communications, page 42-43, Oct. 29-Nov. 03, 2006.

4. Pang-Chieh Wang, Ting-Wei Hou, Jung-Hsuan Wu, Bo-Chiuan Chen, "A Security Module for Car Appliances," Proceedings of World Academy of Science, ENGINEERING AND TECHNOLOGY VOLUME 26 DECEMBER 2007 ISSN 1307-6884, DECEMBER 2007.

5. Pang-Chieh Wang, Cheng-Liang Lin, Ting-Wei Hou, "Resource-aware service deployment for open service gateway in home network," IEEE Region 10 Conference, TENCON 2007, Pages 1–4, Oct.30-Nov.2, 2007.

6. Lin Cheng-Liang, Huang Chi-Chih, Wu Zheng-Ying, Wang Pang-Chieh, Hou Ting-Wei, "A Collaboration Proxy for Converging UPnP and Jini Devices Based on OSGi," 4th IEEE Consumer Communications and Networking Conference, pages 916–919, Jan. 2007.

7. Huang Chi-Chih, Wang Pang-Chieh, Hou Ting-Wei, "Advanced OSGi Security Layer. Advanced Information Networking and Applications Workshops," AINAW '07. 21st International Conference on Volume 2, pages 518–523, May 2007.

8. Pang-Chieh Wang, Yi-Hsuan Hung and Ting-Wei Hou, "A Cross-Layered Diagnostician in OSGi Platform for Home Network", Emerging Directions in Embedded and Ubiquitous Computing Conference, Lecture Notes in Computer Science, Volume 4809, pp 435-444, 2007 Taipei

9. Pang-Chieh Wang, Cheng-Liang Lin, Ting-Wei Hou, "A Step toward Embedded Programming in High Level", Workshop on Embedded System Education 2007, pp 56-59, Oct. , 2007, Salzburg, Austria

10. Pang-Chieh Wang, Yi-Shuan Hung, and Ting-Wei Hou, "A Cross-layered Diagnostician in OSGi Platform for Home Network", Proc. Of the 2007 IFIP International Conference on Embedded and Ubiquitous Computing (EUC 2007), Pages 435-444, Dec. 17-20, 2007, Taipei, Taiwan.

11. Cin-Shung Yang, Pang-Chieh Wang, Cheng-Liang Lin, Ting-Wei Hou, "Personalized iDTV Program in Multimedia Home Platform," 22nd International Conference on Advanced Information Networking and Applications - Workshops, (AINAW 2008), Pages 473-476, March 2008.

12. Jung-Hsuan Wu, Chien-Chuan Kung, Jhan-Hao Rao, Pang-Chieh Wang, Cheng-Liang

Lin and Ting-Wei Hou, "Design of an In-Vehicle Anti-Theft Component," IEEE International Conference on Intelligent Systems Design and Applications, Pages 566-569, Nov, 2008.

13. Pang-Chieh Wang, Cheng-Liang Lin, Chieh-Chuan Kung, Jhan-Hao Rao and Ting-Wei Hou, "A Try Before You Buy Approach for Networked Digital Home Appliances and Services," IEEE International Conference on Consumer Electronics, ICCE 2009. Jan. 2009.

14. Pang-Chieh Wang, Chin-Yang Lin, Cheng-Liang Lin, Yi-Fang Li, Cheng-Kai Yang, Ting-Wei Hou, "A Portable Feather-Weight Java-based Graphic Library for Embedded Systems on Java Processor," The Fifth International Conference on Intelligent Information Hiding and Multimedia Signal Processing, Sep. 2009.

15. Pang-Chieh Wang, Jun-Bin Shi, Shu-Fen Yang "An In-Domain Protection and Management Scheme for DRM systems" Consumer Electronics (GCCE), 2012 IEEE 1st Global Conference on

16. Yi-Shin Chen, Huei-Sin Liu, Yi-Hsuan Yu, Pang-Chieh Wang "Detect Phishing by Checking Content Consistency" 15th IEEE International Conference on Information Reuse and Integration, At San Francisco, USA.

17. Avain Yeh, Pang-Chieh Wang, Ming-Chih Kao, Yu-Hsuan Pan, "A Scalable Privacy Preserving System for Open Data" Conference: 2016 International Computer Symposium (ICS)

18. Yao-Tung Tsou, Hung-Li Chen, Yennun Huang, Jia-Yang Chen, "Differential privacy-based data de-identification protection and risk evaluation system" 2017 International Conference on Information and Communication Technology Convergence (ICTC)

19. Kai-Cheng Liu, Chuan-Wei Kuo, Wen-Chiuan Liao, Pang-Chieh Wang, "Optimized Data de-Identification Using Multidimensional k-Anonymity" 2018 17th IEEE International Conference On Trust, Security And Privacy In Computing And Communications/ 12th IEEE International Conference On Big Data Science And Engineering (TrustCom/BigDataSE)

20. Bo-Chen Tai, Szu-Chuang Li, Neeraj Suri, Yennun Huang, "Exploring the Relationship Between Dimensionality Reduction and Private Data Release" 2018 IEEE 23rd Pacific Rim International Symposium on Dependable Computing (PRDC)

21. Pei-Hsuan Lu, Pang-Chieh Wang, Chia-Mu Yu, "Empirical Evaluation on Synthetic Data Generation with Generative Adversarial Network", 9th International Conference on Web Intelligence, Mining and SemanticsJune(WIMS2019) ,Article No.: 16,Pages 1–6, 2019

22. Hao Zhen, Bo-Cheng Chiou, Yao-Tung Tsou, Sy-Yen Kuo, Pang-Chieh Wang, "Association Rule Mining with Differential Privacy", 50th Annual IEEE/IFIP International Conference on Dependable Systems and Networks Workshops, pp 47-54, 2020

專利

專利名稱：申請國家與專利種類

惡意超文本傳輸協定請求的偵測裝置和偵測方法：美國(發明),中華民國(發明),中國大陸(發明)

資料匿名方法與資料匿名系統：美國(發明),中華民國(發明),中國大陸(發明)

隱私資料整合方法與伺服器：美國(發明),中華民國(發明),中國大陸(發明)

資料去識別化方法、資料去識別化裝置及執行資料去識別化方法的非暫態電腦可讀取儲存媒體：美國(發明),中華民國(發明),中國大陸(發明)

管理伺服器與方法，及客戶端裝置與其監控方法：中華民國(發明)

運算環境安全方法和電子運算系統：美國(發明),中華民國(發明),中國大陸(發明)

數位版權管理物件之加密/解密方法、數位版權管理物件加密/解密裝置： 美國(發明),中華民國(發明)

數位版權管理裝置及數位版權管理方法：美國(發明),中華民國(發明),中國大陸(發明)