

Dr. Jerry Chun-Wei Lin

Jerry Chun-Wei Lin is currently working as an Assistant Professor at School of Computer Science and Technology, Harbin Institute of Technology Shenzhen Graduate School, China. He has published more than 190 research papers in referred journals (71 SCI papers) and international conferences (110 conference papers). His research interests include data mining, soft computing, artificial intelligence, social computing, multimedia and image processing, and privacy-preserving and security technologies. His google scholar citation is more than 1070 (h-index: 15)



- **Website:** <http://ikelab.net>
- **E-MAIL:** jerrylin@ieee.org

EDUCATION **Ph.D. (2006/09 – 2010/05)**

Department of Computer Science and Engineering
National Cheng Kung University, Tainan, Taiwan

Dissertation Title: Extension of Frequent Pattern Trees for Incremental, Utility and Fuzzy Itemsets Mining

Master Degree (2004/09 – 2006/07)

Department of Information Management
I-Shou University, Kaohsiung, Taiwan

Thesis Title: Maintenance Algorithms for Fast Updated Frequent Pattern Trees

Master Degree (2003/05 – 2004/03, discontinued)

Department of Computer Science and Engineering
New South Wales, Australia

Bachelor Degree (1998/09 – 2002/07)

Department of Information Management
I-Shou University, Kaohsiung, Taiwan

WORK

EXPERIENCE

Assistant Professor (2012/10 – now)

School of Computer Science and Technology
Harbin Institute of Technology Shenzhen Graduate School, Shenzhen, China

Senior Engineer (2012/03 – 2012/10)

STRC, Foxconn Technology Group (Top 500 industry in the world)

Postdoc Research Fellow (2011/08 – 2012/03)

Department of Computer Science and Information Engineering
National University of Kaohsiung, Kaohsiung, Taiwan

Adjunct Assistant Professor (2011/08 – 2012/01)

Department of Information Management

National Pingtung University of Science and Technology, Pingtung, Taiwan

Assistant Research Fellow (2010/08 – 2011/07)

General Education Center

National University of Kaohsiung, Kaohsiung, Taiwan

Adjunct Assistant Professor (2010/08 – 2012/01)

Department of Computer Science and Information Engineering

National University of Kaohsiung, Kaohsiung, Taiwan

Adjunct Lecturer (2009/09 – 2010/01)

Department of Information Management

Cheng Shiu University, Kaohsiung, Taiwan

**TEACHING
EXPERIENCE**

Undergraduate course

1. Computer Language and Programming (English)

School of Natural Sciences and Humanities

Harbin Institute of Technology Shenzhen Graduate School, Shenzhen,
China

2. Programming Language

Department of Applied Mathematics

National University of Kaohsiung, Kaohsiung, Taiwan

3. Artificial Intelligence

Department of Computer Science and Information Engineering

National University of Kaohsiung, Kaohsiung, Taiwan

4. Digital Archive System Design and Implementation

General Education Center

National University of Kaohsiung, Kaohsiung, Taiwan

5. Digital Webpage Design

General Education Center

National University of Kaohsiung, Kaohsiung, Taiwan

6. Interactive Web Design

Department of Information Management

Cheng Shiu University, Kaohsiung, Taiwan

Graduate course

1. Introduction to Internet of Things and its Applications

School of Computer Science and Technology

Harbin Institute of Technology Shenzhen Graduate School, China

2. Multimedia Database Management Systems

Department of Computer Science and Information Engineering

National University of Kaohsiung, Kaohsiung, Taiwan

3. Artificial Intelligence

Department of Information Management

National Pingtung University of Science and Technology, Pingtung, Taiwan

Journal Reviewer

SCI: IEEE Transactions on Knowledge and Data Engineering (IEEE TKDE), International Journal of Software Engineering and Knowledge Engineering, WIRES Data Mining and Knowledge Discovery, IEEE System Journal, The Scientific World Journal, Expert Systems with Applications, Information Sciences, Soft Computing, Scientific Research and Essays, Knowledge-Based Systems, Knowledge and Information Systems, Journal of Information Science and Engineering, Neurocomputing, Journal of Marine Science and Technology, Computers & Electrical Engineering, Pervasive and Mobile Computing, Intelligent Data Analysis, Journal of Intelligent Information Systems, International Journal of Fuzzy Systems, Advances in Mechanical Engineering, Engineering Applications of Artificial Intelligence, Advanced Engineering Informatics, Applied Intelligence, International Journal of Distributed Sensor Networks, International Journal of Web and Grid Services, International Journal of Experimental & Theoretical Intelligence, Science China Information Sciences, Engineering and Computations, Journal of Infection and Public Health, IEEE Transactions on Fuzzy Systems (ITFS)

EI: Vietnam Journal of Computer Science, Applied Computational Intelligence and Soft Computing, International Journal of Intelligent Information and Database System, Research in Electronic Commerce Frontiers, Journal of Theoretical and Applied Computer Science, Journal of Information Hiding and Multimedia Signal Processing, Journal of Intelligent Systems, Big Data Research, International Journal of Data Mining, Modelling and Management, International Journal of Data Science and Analytics

Conference Reviewer/Program Committee

2009 GrC 2009, NDT 2009

2010 GrC2010, NDT 2010, WMSCI 2010, SMC 2010, ICARCV 2010, SICT 2010, NCM 2010, CICN2010, TAAI 2010, ICIMA 2010, ICS 2010, ICCIT 2010, ISDA 2010

2011 NDT 2011, GrC 2011, CSNT 2011, WICT 2011, SMC 2011, IDCTA 2011, ICADIWT 2011, CCS 2011, ICDIM 2011, TAAI 2011, SocProS 2011, ICIPM 2011

2012 RIVF 2012, CSNT 2012, NDT 2012, EMEIT 2012, EMEIT 2012, BICTA 2012, GrC 2012

2013 WICT 2013, KSE 2013, KMO 2013, CYBCON 2013, IEEE GrC 2013, TAAI 2013, ICSEC 2013, HAIS 2013, INTELLI 2013

2014 WICT 2014, SocPar 2014, ISDA 2014, cascon 2014, BICTA 2014, IEEE SMC 2014, ICSEC 2014, KiSE 2014, IEEE GrC 2014, NaBIC 2014, CASoN 2014, BICTA 2014, MISNC 2014, ICGEC 2014, TAAI 2014, PRICAI 2014, ICETI 2014, TAAI 2014, ECC 2014, ICEASA 2014

2015 ACIIDS 2015, PAKDD 2015, PlatCon 2015, IMETI 2015, ICGEC 2015, MISNC 2015, ECC 2015, ASE SocialInformatics 2015, ASE

BigData 2015, SENSE 2015, CASoN 2015, FSDM 2015, NaBIC 2015, ECARS 2015, KDIR 2015, SoCPar 2015, IIC 2015, TAAI2015, IAS 2015, IEEE SMC 2015, SETCAC 2015, DCA 2015, WICT 2015

2016 MISNC 2016, PAKDD 2016, ACIIDS 2016, ISAI 2016, PlatCon 2016, IEEE TSP 2016, JCSSE 2016, ASE Data Science 2016, ASE Social Informatics 2016, MSNDS 2016, TAAI 2016, DMIN 2016, BICTA 2016, FDSE (ADCAA) 2016, JCSSE 2016, KDIR 2016, PAKDD 2016, ECC 2016, ISDA 2016, HIS 2016, WICT 2016, ISI 2016, IAS 2016, IBICA 2016, ICGEC 2016, CASoN 2016, SoCPar 2016, ICSEC 2016

2017 PAKDD 2017, PlatCon 2017, MISNC 2017, ACIIDS 2017

Session Chair

ICICIC 2010, NCWIA 2011, IEEE GrC 2011, IBICA 2011, ISKE 2013, ECC 2014, ITAOI 2015, MISNC 2015, ICGEC 2014, ICGEC 2015, MISNC 2015, ICGEC 2016

Track Chair

MISNC 2016, MISNC 2017

Special Session Organizer

ICICIC 2010, NCWIA 2011, ECC 2014, MISNC 2015, ICGEC 2015, ITAOI 2015, ICCMIT 2016

Workshop/Invited Session Chair

MISNC 2016, MISNC 2017

Program Chair

ICGEC 2016

Local Chair

ECC 2014

Publicity Chair

ICGEC 2014, ICGEC 2015, ASE Data Science 2016, ASE Social Informatics 2016

Editorial Board Member

Intelligent Data Analysis (SCI, since 2016)

Reviewer Board Member

Applied Intelligence (SCI, since 2016)

Editor-in-Chief

Data Science and Pattern Recognition (DSPR)

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HONOR & AWARD

1. **2016 Distinguished Research Award**
School of Computer Science and Technology
Harbin Institute of Technology Shenzhen Graduate School
(top 1, one of 30 professors)
2. **2016 CCF-Tencent Rhino Bird Project Award**
CCF-Tencent (14.1% acceptance from 151 applicants)
3. **2016 Best Poster Award Nomination**
Industrial Conference on Data Mining (ICDM 2016)
4. **2016 Best Poster Award Nomination**
ACM SIGAPP Symposium on Applied Computing 2016 (SAC 2016)
5. **2015 Distinguished Research Award**
School of Computer Science and Technology
Harbin Institute of Technology Shenzhen Graduate School
(top 1, one of 30 professors)
6. **2015 Best Paper Award**
International Conference on Genetic and Evolutionary Computing (ICGEC 2015)
7. **2015 Distinguished CCF-Tencent Rhino Bird Project Award**
CCF-Tencent Open Fund Project
(one of the top 3 projects)
8. **2015 Best Paper Award Nomination**
International Conference on Machine Learning and Data Mining (MLDM 2015)
9. **2014 Best Paper Award**
International Conference on International Conference on Industrial, Engineering & Other Applications of Applied Intelligent Systems (IEA-AIE 2014)
10. **2013 Best Thesis Award (Advisor)**
Taiwan Association for Web Intelligence Consortium (WIC2013)
11. **2013 High-end Professionals Award**
High-end Professionals under the Peacock Plan of the Shenzhen Government (B-level)
12. **2011 Outstanding Dissertation Award**
Taiwan Association for Artificial Intelligence (TAAI2011)
13. **2011 Best Dissertation Award**
Taiwan Association for Web Intelligence Consortium (WIC2011)
14. **2011 Best Thesis Award (Advisor)**
Taiwan Association for Web Intelligence Consortium (WIC2011)
15. **2007 Best Paper Award**
International Conference on Innovative Computing Information and Control (ICICIC 2007)

RESEARCH GRANT

1. **CCF-Tencent Rhino Bird Project (2016/10 – 2017/10, 14.1% acceptance)**
Topic: Webspot Event Prediction and its Sequential Evolving Event Mining
Amount granted: RMB 30,000

2. **Tencent Open Fund Project (2016/01 – 2016/12)**
Topic: A Study of Sequential Utility Rule Mining in Cloud Computing
Amount granted: RMB 100,000
3. **National Natural Science Foundation of China (NSFC) (2016/01 – 2018/12)**
Topics: Research of Multi-Resource, Heterogeneous, and Uncertain High-Utility Pattern Mining
Amount granted: RMB 200,000
4. **CCF-Tencent Rhino Bird Project (2014/10 – 2015/10, 11% acceptance)**
Topic: A Study of High Sequential Utility Mining Algorithms
Amount granted: RMB 100,000
5. **Key Research Innovation Foundation in Harbin Institute of Technology (2014/01 – 2015/12)**
Topic: A Study of the Novel Up-to-Date High Utility Patterns
Amount granted: RMB 100,000
6. **Natural Scientific Research Innovation Foundation in Harbin Institute of Technology (2014/01 – 2014/12)**
Topic: Using Distortion Techniques for Privacy Preserving Data Mining
Amount granted: RMB 50,000
7. **Shenzhen Peacock Project (2012/10 – 2017/10)**
Amount granted: RMB 2,000,000

PATENT

1. [A taxi safety notification system](#), 2014
Number: M477011, Taiwan
2. [Data layering accessing method and system under cloud environment](#), 2015
Number: CN104320426 A, China
3. [Automobile-used device with sight improving function](#), 2015
Number: CN104354571 A, China

SUPERVISED STUDENTS

- Ph.D Student**
1. [Ming Zhao](#), 2011/02 – 2015/07 (co-adviser with Prof. Jeng-Shyang Pan)
Harbin Institute of Technology Shenzhen Graduate School, China
Dissertation: Compact Swarm Intelligent Computing and its Application
Publication: [2 SCI journal papers](#), [2 EI journal papers](#), [3 conference papers](#)
 2. [Peng Cheng](#), 2010/09 – 2015/10 (co-adviser with Pro. Jeng-Shyang Pan)
Harbin Institute of Technology Shenzhen Graduate School, China
Dissertation: A Study of Privacy-Preserving of Association Rules
Publication: [5 SCI journal papers](#), [5 conference papers](#)
 3. [Wensheng Gan](#), 2016/01 – now (co-adviser with Prof. Han-Chieh Chao)
Harbin Institute of Technology Shenzhen Graduate School, China

Master Student

1. [Wensheng Gan](#), 2013/09 – 2015/06
Harbin Institute of Technology Shenzhen Graduate School, Shenzhen, China
Thesis: Mining High-Utility Itemsets under Various Data Types,

Constraints and Applications

(HIT best thesis award)

Publication: 17 SCI journal papers, 1 EI journal paper, 17 conference papers

2. **Hung-Chuan Hsu**, 2011/09 – 2013/06 (co-adviser with Prof. Tzung-Pei Hong)
National University of Kaohsiung, Kaohsiung, Taiwan
Thesis: A Study on Hiding Sensitive Itemsets and Reducing Side Effects
(WIC best thesis award)
Publication: 1 SCI journal paper, 2 conference papers
3. **Jia-Wei Wong**, 2010/09 – 2012/06 (co-adviser with Prof. Tzung-Pei Hong)
National Sun-Yat Sen University, Kaohsiung, Taiwan
Thesis: A Study on Improving Efficiency of Privacy-Preserving Utility Mining
Publication: 3 SCI journal papers, 3 conference papers
4. **Tsung-Ching Lin**, 2009/09 – 2011/06 (co-adviser with Prof. Tzung-Pei Hong)
National University of Kaohsiung, Kaohsiung, Taiwan
Thesis: Mining Complete Linguistic Itemsets Based on Tree Structures
Publication: 3 SCI journal papers, 5 conference papers
5. **Chia-Ching Chang**, 2009/09 – 2011/06 (co-adviser with Prof. Tzung-Pei Hong)
National University of Kaohsiung, Kaohsiung, Taiwan
Thesis: Hiding Sensitive Frequent Itemsets through Transaction Addition
(WIC best thesis award)
Publication: 1 EI journal, 2 conference papers
6. **Hsin-Yi Chen**, 2009/09 – 2011/06 (co-adviser with Prof. Tzung-Pei Hong)
National Cheng Kung University, Tainan, Taiwan
Thesis: Maintenance Algorithm for Pre-large FUSP Trees
Publication: 2 SCI journal papers, 4 EI index conference papers
7. **Kuo-Tung Yang**, 2008/09 – 2010/06 (co-adviser with Prof. Tzung-Pei Hong)
National University of Kaohsiung, Kaohsiung, Taiwan
Thesis: Several Heuristic Approaches to Privacy-Preserving Data Mining
Publication: 3 SCI journal papers, 3 EI index conference papers

PROJECT
LEADER

THE SPMF DATA MINING LIBRARY: I am the project co-leader of the popular open-source data mining library SPMF (<http://www.philippe-fournier-viger.com/spmf/>)



It is the state-of-the-art library for mining patterns in transaction databases and sequences databases. It offers more than 110 algorithms. It has been used by researchers all over the world. Since 2010, it was cited in more than 240 research papers, with applications in a wide range of domains such as:

- Web usage mining
- Stream mining
- Optimizing join indexes in data
- Forecasting crime incidents
- Analyzing medical pathways
- Intelligent and cognitive agents

- warehouses
- E-learning
- Smartphone usage log mining
- Opinion mining on the web
- Insider thread detection on the cloud
- Retail sale forecasting
- Mining source code
- Anomaly detection in medical treatment
- Predicting location in social networks
- Classifying edits on Wikipedia
- Linguistics
- Library recommendation
- Restaurant recommendation
- Web page recommendation
- Analyzing DOS attack in network data
- Text retrieval
- Manufacturing simulations

PUBLICATION Books

1. Jeng-Shyang Pan, **Jerry Chun-Wei Lin**, Chia-Hung Wang, and Xin Hua Jiang, "Genetic and Evolutionary Computing - Volume I," *Proceeding of the Tenth International Conference on Genetic and Evolutionary Computing, ICGEC 2016*, November 7-9, 2016 Fuzhou City, Fujian Province, China. Advances in Intelligent Systems and Computing 536, Springer 2017, ISBN 978-3-319-48490-7
2. Tzung-Pei Hong, Chun-Hao Chen, and **Jerry Chun-Wei Lin**, "A Survey of Fuzzy Data Mining Techniques," *Fuzzy Statistical Decision Making*, Springer, 2016
3. Thi-Thi Zin, **Jerry Chun-Wei Lin**, Jeng-Shyang Pan, Pyke Tin, and Mitsuhiro Yokota, "Genetic and Evolutionary Computing – Volume II," *Proceeding of the Ninth International Conference on Genetic and Evolutionary Computing, ICGEC 2015*, August 26-28, 2015, Yangon, Myanmar. Advances in Intelligent Systems and Computing 388, Springer 2016, ISBN 978-3-319-23206-5
4. Thi-Thi Zin, **Jerry Chun-Wei Lin**, Jeng-Shyang Pan, Pyke Tin, and Mitsuhiro Yokota, "Genetic and Evolutionary Computing - Volume I," *Proceeding of the Ninth International Conference on Genetic and Evolutionary Computing, ICGEC 2015*, August 26-28, 2015, Yangon, Myanmar. Advances in Intelligent Systems and Computing 387, Springer 2015, ISBN 978-3-319-23203-4
5. **Jerry Chun-Wei Lin**, "Tree-based Algorithms for Incremental, Utility, and Fuzzy Data Mining," Lambert Academic Publisher, ISBN: 978-3-659-67722-9, 2015.
6. Hui Sun, Chin-Yu Yang, **Chun-Wei Lin**, Jeng-Shyang Pan, Vaclav Snasel, Ajith Abraham, "Genetic and Evolutionary Computing," *Proceeding of the Eighth International Conference on Genetic and Evolutionary Computing, ICGEC 2014*, October 18-20, 2014, Nanchang, China. Advances in Intelligent Systems and Computing 329, Springer 2015, ISBN 978-3-319-12285-4

Three Selected Papers

1. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, and Tzung-Pei Hong, "FDHUP: Fast Algorithm for Mining Discriminative High Utility Patterns," *Knowledge and Information Systems*, 2016 SCI/EI
IF: 1.702, Q2
2. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, Tzung-Pei Hong, and Justin Zhan, "Mining High-Utility Itemset Mining under Multiple Minimum Utility Thresholds," *Knowledge-Based Systems*, 2016 SCI/EI
IF:3.325, Q1
3. **Jerry Chun-Wei Lin**, Philippe Fournier-Viger, and Wensheng Gan, "FHN: An Efficient Algorithm for Mining High-Utility Itemsets with Negative Unit Profits," *Knowledge-Based Systems*, 2016 SCI/EI
IF:3.325, Q1

Journal Papers (71 SCI, 7 EI)

■ 2016 (27 SCI, 1 EI)

1. Jimmy Ming-Thai Wu, Justin Zhan, and **Jerry Chun-Wei Lin***, "An ACO-based Approach to Mine High-Utility Itemsets," *Knowledge-Based Systems*, 2016
SCI/EI
IF:3.325, Q1
2. Jeng-Shyang Pan, **Jerry Chun-Wei Lin***, Lu Yang, Philippe Fournier-Viger, and Tzung-Pei Hong, "Efficiently Mining of Skyline Frequent-Utility Patterns," *Intelligent Data Analysis*, 2017.
SCI/EI
IF: 0.631, Q4
3. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, Tzung-Pei Hong, and Justin Zhan, "Efficient Mining of High-Utility Itemsets Using Multiple Minimum Utility Thresholds," *Knowledge-Based Systems*, 2016.
SCI/EI
IF:3.325, Q1
4. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, and Tzung-Pei Hong, "FDHUP: Fast Algorithm for Mining Discriminative High Utility Patterns," *Knowledge and Information Systems*, pp. 1-37, 2016.
SCI/EI
IF: 1.702, Q2
5. **Jerry Chun-Wei Lin**, Philippe Fournier-Viger, and Wensheng Gan, "FHN: An Efficient Algorithm for Mining High-Utility Itemsets with Negative Unit Profits," *Knowledge-Based Systems*, Vol. 111, pp. 283-298, 2016
SCI/EI
IF:3.325, Q1
6. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger and Tzung-Pei Hong, "Efficiently Updating the Discovered Sequential Patterns for Sequence Modification," *International Journal of Software Engineering and Knowledge Engineering*, Vol. 26 (8), pp. 1285-1313, 2016.
SCI/EI
IF:0.240, Q4
7. Souleymane Zida, Philippe Fournier-Viger, **Jerry Chun-Wei Lin**, Cheng-Wei Wu, Vincent S. Tseng, "EFIM: A Fast and Memory Efficient Algorithm for High-Utility Itemset Mining," *Knowledge and Information Systems*, pp. 1-31, 2016.
SCI/EI
IF: 1.702, Q2
8. **Jerry Chun-Wei Lin**, Qiankun Liu, Philippe Fournier-Viger, and Tzung-Pei Hong, "PTA: An Efficient System for Anonymizing Transaction Databases", *IEEE Access*, Vol. 4, pp. 6467-6479, 2016.
SCI/EI
IF:1.248, Q2
9. **Jerry Chun-Wei Lin**, Ting Li, Philippe Fournier-Viger, Tzung-Pei Hong, Jimmy Ming-Thai Wu, and Justin Zhan "Efficient Mining of Multiple Fuzzy Frequent Itemsets," *International Journal of Fuzzy Systems*, pp. 1-9, 2016.
SCI/EI
IF: 0.941, Q3
10. Tsu-Yang Wu, Chien-Ming Chen, Xiuyang Sun, and **Jerry Chun-Wei Lin** "A Countermeasure to SQL Injection Attack for Cloud Environment" *Wireless Personal Communications*, 2016.
SCI/EI
IF: 0.701, Q4
11. Lukas Orcik, Miroslav Voznak, Jan Rozhon, Filip Rezac, Jiri Slachta, Homero Toral-Cruz, and **Jerry Chun-Wei Lin**, "Prediction of Speech Quality Based on Resilient Backpropagation Artificial Neural Network," *Wireless Personal Communications*, 2016.
SCI/EI
IF: 0.701, Q4
12. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, Tzung-Pei Hong, and Vincent S. Tseng, "Efficiently Mining Uncertain High-Utility Itemsets," *Soft Computing*, pp. 1-20, 2016.
SCI/EI
IF:1.630, Q2
13. **Jerry Chun-Wei Lin**, Lu Yang, Philippe Fournier-Viger, Tzung-Pei Hong, and Miroslav Voznak "A Binary PSO Approach to Mine High-Utility Itemsets" *Soft Computing*, pp. 1-19, 2016.
SCI/EI
IF:1.630, Q2
14. **Jerry Chun-Wei Lin**, Lu Yang, Philippe Fournier-Viger, Ming-Thai Wu, Tzung-Pei Hong, Leon Shyue-Liang Wang, and Justin Zhan, "Mining High-Utility Itemsets based on Particle Swarm Optimization," *Engineering Applications of Artificial Intelligence*, Vol. 55, pp. 320-330, 2016.
SCI/EI
IF:2.368, Q1
15. **Jerry Chun-Wei Lin**, Tsu-Yang Wu, Philippe Fournier-Viger, Guo
SCI/EI
IF:2.368, Q1

- Lin, Justin Zhan and Miroslav Voznak, "Fast Algorithms for Hiding Sensitive High-Utility Itemsets in Privacy-Preserving Utility Mining," *Engineering Applications of Artificial Intelligence*, Vol. 55, pp. 269-284, 2016.
16. **Chun-Wei Lin**, Binbin Zhang, Wensheng Gan, Bo-Wei Chen, Seungmin Rho, Tzung-Pei Hong, "Updating High-Utility Pattern Trees with Transaction Modification," *Multimedia Tools and Applications*, Vol. 75(9), pp. 4887-4912, 2016. SCI/EI
IF:1.313, Q2
 17. Peng Cheng, Ivan Lee, **Chun-Wei Lin**, and Jeng-Shyang Pan, "Association Rule Hiding Based on Evolutionary Multi-objective Optimization," *Intelligent Data Analysis*, Vol. 20(3), pp. 495-514, 2016. SCI/EI
IF: 0.631, Q4
 18. **Jerry Chun-Wei Lin**, Ting Li, Philippe Fournier-Viger, Tzung-Pei Hong, Justin Zhan, and Miroslav Voznak "An Efficient Algorithm to Mine High Average-Utility Itemsets," *Advanced Engineering Informatics*, Vol. 30(2), pp. 233-243, 2016. SCI/EI
IF:2.00, Q1
 19. **Jerry Chun-Wei Lin**, Qiankun Liu, Philippe Fournier-Viger, Tzung-Pei Hong, Miroslav Voznak, and Justin Zhan "A Sanitization Approach for Hiding Sensitive Itemsets based on Particle Swarm Optimization," *Engineering Applications of Artificial Intelligence*, Vol. 53, pp. 1-18, 2016. SCI/EI
IF:2.368, Q1
 20. Ra'issa Yapan Dognon, Philippe Fournier-Viger, Lin, **Jerry Chun-Wei Lin**, and Roger Nkambou, "Inferring Social Network User Profiles using a Partial Social Graph," *Journal of Intelligent Information Systems*, Vol. 47 (2), pp. 313-244, 2016. SCI/EI
IF: 1.00, Q3
 21. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, Tzung-Pei Hong, and Vincent S. Tseng, "Fast Algorithms for Mining High-Utility Itemsets with Various Discount Strategies," *Advanced Engineering informatics*, Vol. 30(2), pp. 109-126, 2016. SCI/EI
IF:2.00, Q1
 22. Miroslav Voznak, Ivo Zbrank, Miralem Mehic, Dan Komosny, Homero Toral-Cruz, and **Jerry Chun-Wei Lin**, "Covert Channel in RTP Payload Using a Pointer in Sip Header," *Communications: Scientific Letters of the University of Zilina*, Vol. 1, pp. 40-47, 2016. EI
 23. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, Tzung-Pei Hong, and Vincent S. Tseng, "Efficient Algorithms for Mining High-Utility Itemsets with Uncertain Databases," *Knowledge-Based Systems*, Vol. 96, pp. 171-187, 2016. SCI/EI
IF:3.325, Q1
 24. **Jerry Chun-Wei Lin**, Wensheng Gan, and Tzung-Pei Hong, "A Fast Maintenance Algorithm of the Discovered High-Utility Itemsets with Transaction Deletion," *Intelligent Data Analysis*, Vol. 20(4), 891-913, 2016. SCI
IF: 0.631, Q4
 25. **Jerry Chun-Wei Lin**, Wensheng Gan, Tzung-Pei Hong, Hsin-Yi Chen and Sheng-Tun Li, "An Efficient Algorithm to Maintain the Discovered Frequent Sequences with Record Deletion," *Intelligent Data Analysis*, Vol. 20(3), pp. 655-677, 2016. SCI
IF: 0.631, Q4
 26. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, Tzung-Pei Hong, and Vincent S. Tseng, "Weighted Frequent Itemset Mining over Uncertain Databases," *Applied Intelligence*, Vol. 44(1), pp. 232-250, 2016. SCI/EI
IF:1.215, Q3
 27. **Chun-Wei Lin**, Wensheng Gan, and Tzung-Pei Hong, "Maintaining the Discovered High-Utility Itemsets with Transaction Modification," *Applied Intelligence*, Vol. 44(1), pp. 166-178, 2016. SCI/EI
IF:1.215, Q3
 28. Peng Cheng, John F. Roddick, Shu-Chuan Chu, and **Chun-Wei Lin**, "Privacy Preservation through a Greedy, Distortion-based Rule-Hiding Method," *Applied Intelligence*, Vol. 44(2), pp. 295-306, 2016. SCI/EI
IF:1.215, Q3
 29. **Jerry Chun-Wei Lin**, Wensheng Gan, Philippe Fournier-Viger, Lu Elsevier

- Yang, Qiankun Liu, Jaroslav Frnda, Lukas Sevcik and Miroslav Voznak, "High Utility-Itemset Mining and Privacy-Preserving Utility Mining," *Perspectives in Science*, Vol. 7, pp. 74-80, 2016.
30. Jaroslav Frnda, Jan Rozhon, Miroslav Voznak, **Jerry Chun-Wei Lin**, and Tsu-Yang Wu, "A New Tool for Quality of Multimedia Estimation Based on Network Behaviour," *Perspectives in Science*, Vol. 7, pp. 87-94, 2016. Elsevier
31. Tsu-Yang Wu, **Jerry Chun-Wei Lin**, Chien-Ming Chen, Yuh-Min Tseng, Jaroslav Frnda, Lukas Sevcik, and Miroslav Voznak, "A Brief Review of Revocable ID-based Public Key Cryptosystem," *Perspectives in Science*, Vol. 7, pp. 81-86, 2016. Elsevier
- **2015 (18 SCI, 1 EI)**
32. **Jerry Chun-Wei Lin**, Lu Yang, Philippe Fournier-Viger, Jaroslav Frnda, Lukas Sevcik, Miroslav Voznak, "An Evolutionary Algorithm to Mine High-Utility Itemsets," *Advances in Electrical and Electronic Engineering*, Vol. 13(4), pp. 392-398, 2015. EI
33. **Jerry Chun-Wei Lin**, Tzung-Pei Hong, Tsung-Ching Lin and Shing-Tai Pan, "An UBMFFP Tree for Mining Multiple Fuzzy Frequent Itemsets," *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, Vol. 23(6), pp. 861-879, 2015. SCI/EI
IF:1.00, Q3
34. Peng Cheng, **Chun-Wei Lin**, Jeng-Shyang Pan, and Ivan Lee, "Manage the Tradeoff in Data Sanitization," *IEICE Transactions on Information and Systems*, Vol.E98-D (10), pp.1856-1860, 2015. SCI/EI
IF:0.226, Q4
35. **Jerry Chun-Wei Lin**, Ting Li, Philippe Fournier-Viger, and Tzung-Pei Hong, "A Fast Algorithm for Mining Fuzzy Frequent Itemsets," *Journal of Intelligent & Fuzzy Systems*, Vol. 29(6), pp. 2373-2379, 2015. SCI/EI
IF:1.004, Q3
36. **Jerry Chun-Wei Lin**, Wensheng Gan, Tzung-Pei Hong, and Vincent S. Tseng, "Efficient Algorithms for Mining Up-to-Date High-Utility Patterns," *Advanced Engineering Informatics*, Vol. 29(3), pp. 648-661, 2015. SCI/EI
IF:2.00, Q1
37. **Jerry Chun-Wei Lin**, Wensheng Gan, and Tzung-Pei Hong, "A Fast Updated Algorithm to Maintain the Discovered High-Utility Itemsets for Transaction Modification," *Advanced Engineering Informatics*, Vol. 29(3), pp. 562-574, 2015. SCI/EI
IF:2.00, Q1
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 13. Philippe Fournier-Viger, **Jerry Chun-Wei Lin**, Cheng-Wei Wu, Vincent S. Tseng, and Usef Faghihi, "Mining Minimal High-Utility Itemsets," *The International Conference on Database and Expert Systems Applications*, pp. 88-101, 2016. (DEXA 2016) LNCS, EI
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