107 年 6 月　通過 學術審查

年　　級：博 七 (修業 10 年)

著作列表

Journal Papers
1. Chun-Ta Chen and Jyh-Shing Roger Jang, "An Effective Method for Audio-To-Score Alignment Using Onsets and Modified Constant Q Spectra", in *Multimedia Tools and Applications*

Conference Papers
[1] Yu-Hao Chang, Chi-Bang Kuan, Cheng-Yen Lin, Te-Feng Su, Chun-Ta Chen, Jyh-Shing Jang, Shang-Hong Lai and Jenq-kuen Lee, "Support of Software Framework for Embedded Multi-core Systems with Android Environments," ESTIMedia 2011

[2] Chun-Ta Chen, Jyh-Shing Roger Jang and Wenshan Liou, "Improved Score-Performance Alignment Algorithms On Polyphonic Music," in *Proceedings of the 39th IEEE International Conference on Acoustics, Speech and Signal Processing*, 2014, pp 1365-1369.

[3] Chun-Ta Chen, Jyh-Shing Roger Jang and Chun-Hung Lu, "Improved Query-By-Tapping Via Tempo Alignment," in *Proceedings of the International Society for Music Information Retrieval Conference (ISMIR)*, 2014.

[4] Chun-Ta Chen, Jyh-Shing Roger Jang, Wen-Shan Liou and Chi-Yao Weng, "An efficient method for polyphonic audio-to-score alignment using onset detection and constant Q transform," in *Proceedings of the 41st IEEE International Conference on Acoustics, Speech and Signal Processing*, 2016, pp 2802-2806.

107 年 6 月 通過 學術審查

年　　級：<u>博七</u> (修業 8 年)

著作列表

Journal Papers

[1] Tung-Chun Chang, <u>Chi-Han Lin,</u> Kate Ching-Ju Lin, and Wen-Tsuen Chen, "Traffic-Aware Sensor Grouping for IEEE 802.11ah Networks: Regression Based Analysis and Design," *IEEE Transactions on Mobile Computing (Early Access)*, May 2018.

[2] <u>Chi-Han Lin</u>, Yi-Ting Chen, Kate Ching-Ju Lin, and Wen-Tsuen Chen, "<u>FDoF: Enhancing Channel Utilization for 802.11ac</u>," *IEEE/ACM Transactions on Networking*, Vol. 26, No. 1, pp. 465-477, February 2018.

[3] Shang-Hong Hsu, <u>Chi-Han Lin</u>, Chih-Yu Wang, and Wen-Tsuen Chen, "Breaking Bandwidth Limitation for Mission-Critical IoTs using Semi-Sequential Multiple Relays," *IEEE Internet of Things Journal (Early Access)*, November 2017.

[4] <u>Chi-Han Lin</u>, Kate Ching-Ju Lin, and Wen-Tsuen Chen, "<u>Channel-Aware Polling-based MAC Protocol for Body Area Networks: Design and Analysis</u>," *IEEE Sensors Journal*, Vol. 17, No. 9, pp. 1-13, May 2017.

Conference Papers

[1] Chih-Yu Hsiao, <u>Chi-Han Lin</u>, Jian-Jhih Kuo, and Wen-Tsuen Chen, "LAMP: Load Adaptive MAC Protocol for Inter-BAN Interference Mitigation," *Proceedings of IEEE Wireless Communications and Networking Conference (IEEE WCNC)*, April 2018.

[2] Shang-Hong Hsu, <u>Chi-Han Lin</u>, Chih-Yu Wang, and Wen-Tsuen Chen, "Minimizing Upload Latency for Critical Tasks in Cellular-based IoT Networks using Multiple Relays," *Proceedings of International Conference on Communications (IEEE ICC)*, May 2017.

[3] <u>Chi-Han Lin</u>, Yi-Ting Chen, Kate Ching-Ju Lin, and Wen-Tsuen Chen, "acPad: Enhancing Channel Utilization for 802.11ac Using Packet Padding," *Proceedings of IEEE Conference on Computer Communications (IEEE INFOCOM)*, May 2017.

[4] <u>Chi-Han Lin</u>, Yi-Ting Chen, Jyun-Jie Chen, Wen-Chan Shih, and Wen-Tsuen Chen, "pSafety: A Collision Prevention System for Pedestrians Using Smartphone," *Proceedings of IEEE Vehicular Technology Conference* (IEEE

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[5] Tung-Chun Chang, <u>Chi-Han Lin</u>, Kate Ching-Ju Lin, and Wen-Tsuen Chen, "Load-Balanced Sensor Grouping for IEEE 802.11ah Networks," *Proceedings of IEEE Global Communications Conference (IEEE GLOBECOM)*, December 2015.

[6] Yao-Chung Hsu, <u>Chi-Han Lin</u>, and Wen-Tsuen Chen, "Design of a Sensing Service Architecture for Internet of Things with Semantic Sensor Selection," *Proceedings of IEEE International Conference on Ubiquitous Intelligence and Computing (IEEE UIC)*, December 2014.

[7] <u>Chi-Han Lin</u>, Kate Ching-Ju Lin, and Wen-Tsuen Chen, "Rate Adaptation for Highly Dynamic Body Area Networks," *Proceedings of IEEE International Conference on Internet of Things (iThings), Green Computing and Communications (GreenCom), and Cyber-Physical-Social Computing (CPSCom)*, September 2014.

[8] <u>Chi-Han Lin</u>, Po-Yu Chen, and Wen-Tsuen Chen, "An Adaptive Guiding Protocol for Crowd Evacuation Based on Wireless Sensor Networks," *Proceedings of IEEE Vehicular Technology Conference (IEEE VTC-Spring)*, June 2013.

[9] Po-Yu Chen, Zan-Feng Kao, Wen-Tsuen Chen, and <u>Chi-Han Lin</u>, "A Distributed Flow-Based Guiding Protocol in Wireless Sensor Networks," *Proceedings of the 40th International Conference on Parallel Processing (ICPP 2011)*, pp. 105-114, September 2011.

Patent

Book chapter

In progress of submission

[1] Ting-Hui Chi, Chi-Han Lin, Jian-Jhih Kuo, and Wen-Tsuen Chen, "Live Video Multicast for Dynamic Users via Segment Routing in 5G Networks," *submitted to IEEE Global Communications Conference (IEEE GLOBECOM)*, 2018.

年　　級：博 五

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Journals:

1. <u>Jagadeesha. R. Bhat</u>, Jang-Ping Sheu, and Wing-Kai Hon, "Resource Allocation Schemes for Revenue Maximization in Multicast D2D Networks," *IEEE Access*, Vol. 5, pp. 26340 – 26353, November 2017.

2. <u>Jagadeesha. R. Bhat</u>, Jang-Ping Sheu, Wing-Kai. Hon and Cian-You Yang, "Approximation Algorithms for Profit Maximization in Multicast D2D Networks," *Wireless Networks* (Springer), [*Under Review*].

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1. <u>Jagadeesha RB</u>, Jang-Ping Sheu, and Wing-Kai Hon, "User Satisfaction Based Resource Allocation Schemes for Multicast in D2D Networks", *Proceedings of European Conference on Networks and Communications (EuCNC)*, Oulu, Finland, June 2017.

2. <u>Jagadeesha RB</u> and Jang-Ping Sheu, "Social Activeness Based Relay Selection: A Game Theoretic Approach", *Proceedings of 22nd IEEE International Workshop on Computer Aided Modeling and Design of Communication Links and Networks (IEEE CAMAD 17)*, Lund, Sweden, June 2017.

3. Jang-Ping Sheu, Yi-Cian Pu, <u>Jagadeesha RB</u>, and Yeh-Cheng Chang, "An Efficient Module Deployment Algorithm in Edge Computing" *Workshop on Flexible and Agile Networks (FlexNets) in conjunction with IEEE Wireless Communications and Networking Conference (WCNC)*, Barcelona, Spain, April 2018.

4. Jang-Ping Sheu, Po-Yao Wang, and <u>Jagadeesha RB</u>, "Wildcard-Rule Caching and Cache Replacement Algorithms in Software-Defined Networking", *Proceedings of European Conference on Networks and Communications(EuCNC'17)* at Oulu, Finland, June 2017.

5. Jang-Ping Sheu, Quan-Xiang Zeng, Jagadeesha RB, and Yeh-Cheng Chang, "Efficient Unicast Routing Algorithms in Software-Defined Networking," *Proceedings of the European Conference on Networks and Communications (EuCNC)*, Athens, Greece, June 2016.

6. Jang-Ping Sheu, Li-Wei Liu, Jagadeesha RB, and Yeh-Cheng Chang, "An Efficient Multipath Routing Algorithm for Multipath TCP in Software-Defined Networks," *Proceedings of the European Conference on Networks and Communications (EuCNC)*, Athens, Greece, June 2016.

7. Jang-Ping Sheu, Zong- Xiang Wu, Chuang. Ma, and RB. Jagadeesha, "Interference-aware Channel Allocation Algorithm with Game Theoretic Approach for Cognitive Radio Networks," *Proceedings of the 20th International Conference on Parallel and Distributed Computing Systems(ICPADS)*, Hsinchu, Taiwan, Dec. 2014.

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8. Jagadeesha RB, Shao-Heng Ko, De-Nian Yang, and Jang-Ping Sheu, "Incentive Based Relaying in D2D Social Network" [*Manuscript prepared*].