【Curriculum Vitae】

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・**Teaching Courses:**

Internet of Things, Game Programming, Big Data, Unmanned Aerial Vehicle

・**The Highest Education Degree:**

Ph.D., Computer Science and Engineering, National Chiao Tung University

・**Research Area:**

Multimedia Communication, Unmanned Aerial Vehicle, IoT Applications, Robotics, Computational Intelligence, Video/Audio Codec, Mobile Applications

・**Recent Publications:**

1. **Journal Papers:**
   A. 何健鵬*、董劭宣、楊皓雲, "基於 Beacon 技術之廣告主動推播架設的探討和分析",電腦科學與教育科技學刊, pp. 98-115, Vol.8, No.1, 2018.12
   B. 何健鵬*、韓承印、張則笙, "MAVLink 在無人飛行載具上的應用", 電腦科學與教育科技學刊, pp. 24-38, vol. 7, no. 1, 2017.1
   C. **Chien-Peng Ho**, Chen-Yin Han, and Tse-Sheng Chang,"Application of Unmanned Aerial Vehicle by MAVLink," Journal of Computer Science and Educational Technology, vol.7, no.1, November 2017.
   D. Hua-Tsung Chen and **Chien-Peng Ho**, "Fourier Analysis-Based Tempo Estimation with Application to Music Accompaniment," Aloy Journal of Soft Computing and Applications, vol. 1, no. 1, pp. 39-54, March 2014.
   E. Hua-Tsung Chen, **Chien-Peng Ho**, Jen-Yu Yu, "Street View Image Generation by Mobile Devices with Indexing," CCL Technical Journal, vol.157, pp. 13-20, June 2014.

F. **Chien-Peng Ho**, Jen-Yu Yu, and Jen-Kuei Yang, "A P2P and Cloud Computing hybrid Architecture for VoD System with Dynamic Data Replication Strategies," Images & Recognition (影像與識別), vol. 18, no. 1, pp. 82-102, March 2012.

G. **Chien-Peng Ho** and Chia-Ling Hsieh, "An Adaptive Data Replication Technique with Online Advertising for P2P VoD Services," International Journal of Innovation, Management and Technology, vol. 3, no. 5, pp.534-539, October 2012.

H. **Chien-Peng Ho**, Jen-Yu Yu, and Suh-Yin Lee, "Efficient Data Replication for the Delivery of High-quality Video Content over P2P VoD Advertising Networks," EURASIP Journal on Advances in Signal Processing, vol. 2011, Article ID 105, November 2011. [SCI/EI, Impact Factor: 1.012]

I. Ya-Huei Yu, **Chien-Peng Ho**, and Chun-Jen Tsai, "Multiple Adaptations and Content-Adaptive FEC Using Parameterized RD Model for Embedded Wavelet Video," EURASIP Journal on Advances in Signal Processing, vol. 2007, Article ID 70914, 13 pages, June 2007. [SCI/EI, Impact Factor: 1.012]

J. **Chien-Peng Ho** and Chun-Jen Tsai, "Content-Adaptive Packetization and Streaming of Wavelet Video over IP Networks," EURASIP Journal on Image and Video Processing, vol. 2007, Article ID 45201, 12 pages, March 2007. [SCI/EI, Impact Factor: 0.619]

K. **Chien-Peng Ho**, Chun-Jen Tsai, and Yuh-Feng Hsu, "MPEG-21 Digital Item Adaptation Architecture for Fully Scalable Video Streaming," CCL Technical Journal, vol. 109, pp. 55- 64, September 2004.

2. **Conference:**

A. 何健鵬、鄭博元, "低解析度影像序列車輛偵測之背景過濾方法之比較", 2019 資訊科技與實務研討會, pp. 244-251, 2019.

B. 何健鵬、王尚豪、施政維、林子恩, "基於 UWB 技術開發室內定位系統", OSET2019 自由軟體與教育科技研討會, 2019. (Accepted)

C. 何健鵬、董劭宣、楊皓雲、鄭浩宇, "基於 Beacon 技術之廣告主動推播實現方法", OSET2018 自由軟體與教育科技研討會, vol. 10, pp. 45-52, 2018.

D. 王尚豪、陳雅伶、何健鵬*, "智慧家電-無線溫控風扇", OSET2017 自由軟體與教育科技研討會, vol. 9, pp. 141-148, 2017.

E. 韓承印、張則笙、何健鵬*, "MAVLink 在無人飛行載具上的應用", OSET2017 自由軟體與教育科技研討會, vol. 9, pp. 87-94, 2017.

F. 鍾宜霖、何健鵬*, 室內定位方法與技術應用於特定場域, 第十屆商務科技與管理研討會, 2017.

A. Hua-Tsung Chen, Chun-Yu Lai, Chun-Chieh Hsu, Suh-Yin Lee, Bao-Shuh Lin, and **Chien-Peng Ho**, "Vision-Based Road Bump Detection Using a Front-Mounted Car Camcorder," 22nd International Conference on Pattern Recognition, pp. 4537-4542, Stockholm, Sweden, August 24-28, 2014.

B. Chien-Li Chou, Hua-Tsung Chen, Chun-Chien Hsu, **Chien-Peng Ho**, Suh-Yin Lee, "Near-Duplicate Video Retrieval By Using Pattern-based Prefix Tree and Temporal Relation Forest," IEEE International Conference on Multimedia and Expo (ICME 2014), 6 pages, Chengdu, China, July 14-18, 2014.

C. Chien-Li Chou, Min-Ho Tsai, Chien-Ho Chao, Hsiao-Jung Lin, Hua-Tsung Chen, Suh-Yin Lee, and **Chien-Peng Ho**," Automatic Restaurant Information and Keyword Extraction by Mining Blog Data for Chinese Restaurant Search," The Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD), LNAI 8643, pp.700–711, Tainan, Taiwan, May 13-16, 2014.

D. Duan-Yu Chen, Yag-Jie Peng, Jun-Wei Hsieh, and **Chien-Peng Ho**, "Robust Nighttime Turn Signal Direction Recognition," IEEE International Conference on Consumer Electronics, pp. 201-202, Taipei, Taiwan, May 26-28, 2014.

E. Chun-Chieh Hsu, Hua-Tsung Chen, Chien-Li Chou, Suh-Yin Lee, and **Chien-Peng Ho**, "Serve Receive-to-attack Period Extraction and Histogram-based Player Localization in Broadcast Volleyball Videos," IEEE Visual Communications and Image Processing (VCIP 2013), 6 pages, Sarawak, Malaysia, Nov. 17-20, 2013.

F. Chien-Li Chou, Hua-Tsung Chen, Yi-Cheng Chen, **Chien-Peng Ho**, Suh-Yin Lee, "Near-Duplicate Video Retrieval and Localization using Pattern Set based Dynamic Programming," IEEE

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G. 游人諭，周業凱，**何健鵬**，呂依璇,"應用於異質終端設備之行動監控匯流平台研究," Taiwan Academic Network Conference 2012 (TANET 2012 臺灣學術網路研討會), vol. 1, pp. 48-53, Taoyuan, Taiwan, October 23-25, 2012. (Best paper award)

H. 周業凱，游人諭，鄭雯方, **何健鵬**, "行動無線視訊監控技術應用於大型活動之效能實測與分析," Taiwan Academic Network Conference 2012 (TANET 2012 臺灣學術網路研討會), vol. 2, pp. 156-161, Taoyuan, Taiwan, October 23-25, 2012.

I. **Chien-Peng Ho**, Yu-Chen Sun, Jen-Yu Yu, and Suh-Yin Lee, "Resource-aware Replication Strategies in P2P VoD Services with Scalable Video Streams," 2012 International Conference on Applied Robotics for the Power Industry (CARPI 2012), vol. 1, pp. 386-390, Zurich, Switzerland, September 11-13, 2012.

J. Li-Wu Tsai, Yee-Choy Chean, **Chien-Peng Ho**, Hui-Zhen Gu, and Suh-Yin Lee, "Multi-Lane Detection and Road Traffic Congestion Classification for Intelligent Transportation System," 2011 International Conference on Machine Learning and Computing (ICMLC 2011), vol. 4, pp. 477-481, Singapore, February 26-28, 2011. Energy Procedia, vol. 13, no. 2011, p. 3174-3182, 2011. [EI, INSPEC, and Thomson ISI (ISTP)]

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M. Chia-Ling Hsieh and **Chien-Peng Ho**, "The Web as a Corpus of Pragmatic Studies," 2009 International Conference on Multi Development and Application of Language and Linguistics (MDALL-2), pp. 1-17, Tainan, Taiwan: National Cheng Kung University, May 15-16, 2009.

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R. **Chien-Peng Ho** and Chao-Min Su, "A Chinese Named Entity Identification System for Web Retrieval," Proceedings of Mechatronic and Industry Interact Cross Strait Conference, Hsinchu, Taiwan, November 23, 2005.

A. **Chien-Peng Ho**, "Next Steps for 300mm Transportation Manager System," TSMC e-Operations Symposium 2002, Taiwan Semiconductor Manufacturing Company Limited, Hsinchu, Taiwan, June 2002.

B. **Chien-Peng Ho**, "An Effective Software Quality Control for 300mm Material Control System," TSMC e-Operations Symposium 2001, Taiwan Semiconductor Manufacturing Company Limited, Hsinchu, Taiwan, November 2001.

3. **Patent:**

A. 吳俊賢、何健鵬、林炳立, 影音串流傳輸率決定方法與伺服器, 發明專利, 證書號: 發明第 I636689 號，中華民國專利，公告日: 2018/09/21. (產學合作延伸專利) Transmission Rate

Determination Method for Streaming Media and Server (通過美國專利審查，尚待領證) (申請中國大陸專利中)

B. 吳俊賢、何健鵬、林炳立, 資料量測方法、資料量測管理系統及其電腦可讀取儲存媒體, 證書號: 發明第 I649984 號，中華民國專利，公告日: 2019/02/01. (產學合作延伸專利) (同時申請美國及中國大陸專利)

C. Hua-Tsung Chen, **Chien-Peng Ho**, and Jen-Yu Yu, "Video Indexing Method, Video Indexing Apparatus and Computer Readable Medium," 證書號: I520095，中華民國專利，公告日: 2016/02/01.

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E. Yao-Hsiung Chang, **Chien-Peng Ho**, and Jau-Huang Chen, "System and Method for Automated Dispatch and Transportation of Work-In-Process," U.S. Patent, Pub. No.: US 2004/0267641 A1, Dec. 30, 2004. 證書號: I246108，中華民國專利，2005/12/21 (專利權: 20051221-20240321)