

中原大學電子所博士班論文點數審查推薦函

112 年 02 月 14 日

一、事由：推薦電子所博士班研究生 Tsung-Yi Chen (陳宗毅)(學號: 10976016) 進行博士論文點數審查。

二、說明：中原大學電子所博士班學生陳宗毅投稿論文列表。

A. Journal 期刊論文

- J-1. **Shih-Lun Chen**; **Tsung-Yi Chen**; Yi-Cheng Mao; Szu-Yin Lin*; Ya-Yun Huang; Chiung-An Chen; Yuan-Jin Lin; Yo-Ming Hsu; Chi-An Li; Wei-Yuan Chiang; Kai-Yi Wong; Patricia Angela R. Abu, "Automated detection system based on convolution neural networks for retained root, endodontic treated teeth, and implant recognition on dental panoramic images", **2022**, *IEEE Sensors Journal*, vol.22, p.23293-23306. (SCI, IF=4.325 Q1) 第一學生作者，預估點數: 4
- J-2. **Shih-Lun Chen**; **Tsung-Yi Chen**; Yen-Cheng Huang; Chiung-An Chen*; He-Sheng Chou; Ya-Yun Huang; Wei-Chi Lin; Tzu-Chien Li; Jia-Jun Yuan; Patricia Angela R. Abu; Wei-Yuan Chiang, "Missing teeth and restoration detection using dental panoramic radiography based on transfer learning with CNNs", **2022**, *IEEE Access*, vol.10, p.118654-118664. (SCI, Q2, IF=3.476) 第一學生作者，預估點數: 4
- J-3. **Shih-Lun Chen**; **Tsung-Yi Chen**; Ting-Lan Lin*; Chiung-An Chen*; Szu-Yin Lin; Yu-Liang Chiang; Kun-Hsien Tung; Wei-Yuan Chiang*, "Fast control for backlight power-saving algorithm using motion vectors from the decoded video stream", **2022**, *sensors*, vol.22, p.1-15. (SCI, Q1, IF=3.847) 第一學生作者，預估點數: 4
- J-4. Yi-Cheng Mao; **Tsung-Yi Chen**; He-Sheng Chou; Szu-Yin Lin*; Sheng-Yu Liu; Yu-An Chen; Yu-Lin Liu; Chiung-An Chen*; Yen-Cheng Huang; **Shih-Lun Chen** *; Chun-Wei Li; Patricia Angela R. Abu; Wei-Yuan Chiang, "Caries and restoration detection using bitewing film based on transfer learning with CNNs", **2021**, *sensors*, vol.21, p.1-19. (SCI, Q1, IF=3.847) 第一學生作者，預估點數: 2
- J-5. Yueh Chuo; Wen-Ming Lin; **Tsung-Yi Chen**; Mei-Ling Chan*; Yu-Sung Chang; Yan-Ru Lin; Yuan-Jin Lin; Yu-Han Shao; Chiung-An Chen*; **Shih-Lun Chen***; Patricia Angela R. Abu, "A high-accuracy detection system: based on transfer learning for apical lesions on periapical radiograph", **2022**, *bioengineering*, vol.9, p.1-16. (SCI, Q2, IF=5.046) 第一學生作者，預估點數: 1
- J-6. Yen-Cheng Huang; Chiung-An Chen*; **Tsung-Yi Chen**; He-Sheng Chou; Wei-Chi Lin; Tzu-Chien Li; Jia-Jun Yuan; Szu-Yin Lin*; Chun-Wei Li; **Shih-Lun Chen***; Yi-Cheng Mao; Patricia Angela R. Abu; Wei-Yuan Chiang; Wen-Shen Lo, "Tooth position determination by automatic cutting and marking of dental panoramic X-ray film in medical image processing", **2021**, *Applied Sciences*, vol.11, p.1-22. (SCI, Q2, IF=2.838) 第一學生作者，預估點數: 1

B. Conference 研討會論文

- C-1. **Tsung-Yi Chen**, **Shih-Lun Chen***, Chun-Hsiang Huang, Liang-Yu Li, Chih-Yun Chen, Yu-Yu Chen, Chie-Peng Chen, Je-Sheng Huang, Li-Yu Chen, Yi-Pei Hsu, Yi-An Hung, Jyh-Haw Tang, Ching-Hui Huang, Wen-Hui Chang "An Intelligent Water Level Detection and Automatic Control System Based on IoT, Big Data and Artificial Intelligence for Smart City", **2023**, The 6th International Conference on BIG DATA AND SMART COMPUTING (ICBDSC 2023). 2023/1/31-2023/02/02. Palmerston North, New Zealand. 第一學生作者，預估點數: 2

- C-2. Yen-Cheng Huang, **Tsung-Yi Chen**, **Shih-Lun Chen***, Chun-Wei Li, Yuan-Jin Lin, Chiung-An Chen, Patricia Angela R. Abu, " Automatic Detection of Restoration, Periodontal Disease, and Missing Teeth Using Dental Panoramic X-Rays Films Based on CNN", **2023**, The 6th International Conference on BIG DATA AND SMART COMPUTING (ICBDSC 2023). 2023/1/31-2023/02/02. Palmerston North, New Zealand. **第二學生作者，預估點數:1**
- C-3. Tsung-Han Lee, He-Sheng Chou, **Tsung-Yi Chen**, Wen-Shen Lo, Jun-Ting Zhang, Chiung-An Chen, Ting-Lan Lin, Member, IEEE and **Shih-Lun Chen***, "Laplacian of Gaussian Based on Color Constancy Algorithm for Surrounding Image Stitching Application", **2022**, IEEE International Conference on Consumer Electronics-Taiwan (ICCE-TW), 2022 /7 /6 ~ 2022 /7 /8, 中華民國 台灣. **第三學生作者，預估點數:0.5**
- C-4. Chi-An Li; **Tsung-Yi Chen**; He-Sheng Chou; Ya-Yun Huang; Chiung-An Chen; Wen-Shen Lo; Tzu-Yu Chen; Ting-Lan Lin; **Shih-Lun Chen**, "An Improved Image Feature Detection Algorithm Based on Oriented FAST and Rotated BRIEF for Nighttime Images", **2022**, 2021 IEEE International Conference on Consumer Electronics-Taiwan (ICCE-TW), 2022 /7 /6 ~ 2022 /7 /8, 中華民國 台灣. **第二學生作者，預估點數:1**
- C-5. Tzu-Yu Chen, **Tsung-Yi Chen**, Ya-Yun Huang, Chi-An Li, Tsung-Han Lee, Wen-Shen Lo, Chiung-An Chen, Ting-Lan Lin and **Shih-Lun Chen**, "Deblocking Filter Chip Design Based on Image Fusion for Surrounding View System", **2022**, 2022 Conference on Information Technology and Applications in Outlying Islands, 2022/05/26 ~ 2022/05/29 中華民國 台灣. **第二學生作者，預估點數:1**

累積點數為 21.5 ，詳細論文如附件，敬呈 博士班所務委員會 進行論文點數審查。

指導教授

Verified by _____ Prof. Shih-Lun Chen, Ph.D.