

## 田仲豪著作清單(Selective)

### 國際期刊

1. Sheng-Hsun Hsieh, Yung-Hui Li \*, **Chung-Hao Tien**, "Test of the Practicality and Feasibility of EDoF-Empowered Image Sensors for Long-Range Biometrics," Sensors, accepted (2016).
2. Sheng-Hsun Hsieh, Yung-Hui Li, **Chung-Hao Tien**, and Chin-Chen Chang, "Extending the Capture Volume of an Iris Recognition System Using Wavefront Coding and Super-Resolution," IEEE Transaction on Cybernetics, VOL. 46, NO. 12, 3342-3350 (2016).
3. Yu-Lin Tsai and **Chung-Hao Tien**, "Approach to analytically minimize the LCD moiré by image-based particle swarm optimization," Applied Optics , Vol. 54, No. 28 E41-E46 (2015)
4. Pi-Ju Cheng, **Chung-Hao Tien**, and Shu-Wei Chang\*, "Incomplete immunity to backscattering in chiral one-way photonic crystals," Optics Express, Vol. 23, Issue 8, pp. 10327-10340 (2015).
5. Yu-Lin Tsai, Ming-Chen Chiang, Ray Chang, **Chung-Hao Tien\***, Chin-Tien Wu, "A new approach to construct freeform surface by numerically differential formulation," Optical Engineering, Vol. 53, Issue 3, pp. 031307 1-6 (2014).
6. Pi-Ju Cheng, Chen-Ya Weng, Shu-Wei Chang, Tzy-Rong Lin, **Chung-Hao Tien**," Plasmonic gap-mode nanocavities with metallic mirrors in high-index cladding", Optics Express, Vol. 21, 13479-13491 (2013)
7. Yen-Hsing Lu and **Chung-Hao Tien\***, "Principal Component Analysis of Multi-Pigment Scenario in Full-Color Electrophoretic Display," IEEE/OSA J. Display Technology, Vol. 9, 807-813 (2013).
8. Pi-Ju Cheng, Chen-Ya Weng, Shu-Wei Chang, Tzy-Rong Lin and **Chung-Hao Tien**, "Cladding Effect on Hybrid Plasmonic Nanowire Cavity at Telecommunication Wavelengths," IEEE Journal of Selected Topics in Quantum Electronics, Vol. 19, Issue: 3, 4800306 (2013).
9. Rakesh Singh Moirangthem, Pi-Ju Cheng, Paul Ching-Hang Chien, Buu Trong Huynh Ngo, Shu-Wei Chang, **Chung-Hao Tien**, and Yia-Chung Chang, " Optical cavity modes of a single crystalline zinc oxide microsphere," Optics Express, 21 3010-3020 (2013).
10. Ming-Chin Chien and **Chung-Hao Tien\***, "Computational lighting by an LED-based cluster system," SPIE Newsroom 10.1117/2.1201209.004460 (2012).
11. Min Gu, Xiangping Li, Tzu-Hsiang Lan and **Chung-Hao Tien**, "Plasmonic keys for ultra-secure information encryption," SPIE Newsroom 10.1117/2.1201211.004538 (2012).
12. Xiangping Li, Tzu-Hsiang Lan, **Chung-Hao Tien** and Min Gu\*, "Three-dimensional orientation-unlimited polarisation encryption by a single optically configured vectorial beam," Nature Communications, DOI: 10.1038/ncomms2006 (2012).
13. Ming-Chin Chien and **Chung-Hao Tien\***, "Multispectral mixing scheme for LEDs cluster with extended temperature-operable window," Optics Express, 20 A245-254 (2012).
14. Tzu-Hsiang Lan, Yi-Kuan Chung, Jie-En Li and **Chung-Hao Tien\*** "Plasmonic rainbow rings induced by white radial polarization," Optics Letters, 37 1205-1207 (2012).

## 國際會議研討會論文

1. Jie-En Li et al, "Long working distance fundus photography with correlated laser speckle, International Symposium on Imaging, Sensing, and Optical Memory Japan (2017). Oral and The Student Award
2. Hao-Ping Ku et al, "Measurement of wavefield correlation with spatial light modulator," International Symposium on Imaging, Sensing, and Optical Memory Japan (2017). Poster
3. Jian-Jia Su et al, "Skew Freeform Reflectors for Two-Dimensional Illuminance," 2017 Frontiers in Optics (FiO)/Laser Science: The Optical Society of America (OSA) Annual meeting, Denver, USA (2017). Oral
4. Jie-En Li et al, "In Vivo Measurement of Rabbit Retinal Vessels Using Laser Speckle Contrast Imaging," International Display Manufacturing Conference Taiwan (2017). Poster and Distinguished Poster Award
5. Meng-Chieh Lin et al., "Characterization of Retinal Blood Vessel by Laser Speckle Correlation Time Constant," SPIE Optics and Photonics, San Diego, USA (2016) oral
6. Jie-En Li, et al., "Experimental method of optical coherence characterization in phase-space measurement," 2015 SPIE Optical Systems Design, Jena, Germany (2015). oral
7. Chung-Hao Tien, "EDoF System for Long Distance Iris Acquisition," Workshop of Information Optics, Kyoto, Japan (2015) invited talk.
8. Yung-Hui Li et al., "Heterogeneous Iris image hallucination using sparse representation on a learned heterogeneous patch dictionary" SPIE Optics & Photonics, San Diego, USA (2014). poster
9. Meng-Chieh Lin et al., "Spectral image reconstruction by a tunable LED illumination," SPIE Optics & Photonics, San Diego, USA (2013). oral
10. Sheng-Hsun Hsieh, et al., "The Influence of Phase Mask Position upon EDoF System," SPIE Optics & Photonics, San Diego, USA (2013). oral
11. Yen-Hsing Lu et al., "Using Independent Component Analysis for Colorant Estimation in Electrophoretic Display, SID 2013, Vancouver, Canada (2013). poster
12. Chung-Hao Tien, "Principal Component Analysis and Its Application to E-paper Characterization," IDMC2013, Taipei, Taiwan (2013). Invited talk
13. Yu-Lin Tsai et al., "An approach to construct freeform surface by solving Monge-Ampere equation," Optical Instrumentation for Energy and Environmental Applications 2013, Tucson, USA (2013). oral
14. Yen-Hsing Lu and Chung-Hao Tien, "Principal Component Analysis on Characterizing Full-Color Electrophoretic Display," SID2012, Boston, USA (2012).poster
15. Song-Bor Chiang, Ming-Chin Chien and Chung-Hao Tien, " Multispectral mixing scheme for smart LED-based lighting," SPIE Photonics West, San Francisco (2012). oral