

PUBLICATIONS/PRESENTATIONS

- Yu-Chieh Lin, Jiunn-Lin Wu, I-Chun Lee, Chi-Hsiang Wu, **Atul Kumar**, Kai-Che Jack Liu and Yen-Yu Wang CT Image Segmentation with Supervised Clustering Using Hierarchical Support Vector Machines. International Journal of Computer, Consumer and Control (IJ3C), Vol. 5, No.2 (2016)
- Yen-Yu Wang, **Atul Kumar**, Kai-Che Liu, Shih-Wei Huang, Ching-Chun Huang, Wei-Chia Su, Wen-Nung Lie. “Stereoscopic Augmented Reality for Single Camera Endoscopy: A Virtual Study” Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization (15 Jul 2016)
- **Atul Kumar**, Wen-Chen Tsai, Tai-Sheng Tan, Li-Ting Chiu, Pei-Tseng Kung, Ching-Kan Lo, Ming-Chou Ku. “Risk of Post-TKA Acute Myocardial Infarction in Patients With a History of Myocardial Infarction or Coronary Stent” Clinical Orthopaedics and Related Research 2016 Feb;474(2):479-86..
- **Atul Kumar**, Tai-Sheng Tan, Wen-Chen Tsai, Li-Ting Chiu, Peichen Kung, Ming-Chou Ku. “Temporal Trends in Total Knee and Hip Replacement in Taiwan.” Journal of Chinese Medical Association 2015 Sep;78(9):538-44.
- **Atul Kumar**, Yen-Yu Wang, Ching-Jen Wu, Kai-Che Liu, and Hurng-Sheng Wu. “Stereoscopic visualization of laparoscope image using depth information from 3D model.” Computer methods and programs in biomedicine 113, no. 3 (2014): 862-868.
- **Atul Kumar** , Brian Donley, and Peter R. Cavanagh. “Design of an implant for first metatarsophalangeal hemi-arthroplasty.” Computer methods in biomechanics and biomedical engineering 17.16 (2014): 1777-1784.
- **Atul Kumar**, Joe-Mingchou Ku, Yanyu Chen, Weijen Chen, Chiensheng Lo, “Evolution of Minimally Invasive Total Knee Arthroplasty.” (2013, December) Medical Journal of Show Chwan Memorial Health System, Taiwan.
- Atul Kumar, Shih-Wei Huang, Yen-Yu Wang, Kai-Che Liu, Wan-Chi Hung, Yi-Chun Lee, Chi-Hsiang Wu, Jian Hua Lin “Real to virtual scene registration using Kinect® for endoscopic augmented reality system” (March 2017) Society of American Gastrointestinal and Endoscopic Surgeons, Boston, USA
- Shih-Wei Huang, Yen-Yu Wang, Wan-Chi Hung, Atul Kumar, Kai-Che Liu, Jian-Hua Lin, Jing-Jim Ou, Tt Chung, “2D to 3D conversion of conventional endoscopic video: A preliminary result” (March 2017) Society of American Gastrointestinal and Endoscopic Surgeons, Boston, USA.
- Atul Kumar, Yen-Yu Wang, Kai-Che Liu, Wan-Chi Hung, Shih-Wei Huang, Ching-Chun Huang, Yi-Chun Lee, “Laparoscopic video augmentation with infrared image information” (July 2016) IEEE International Conference on Consumer Electronics, Taipei, Taiwan.
- Atul Kumar, Yen-Yu Wang, Kai-Che Liu, Wan-Chi Hung, Shih-Wei Huang, Ching-Chun Huang,