Friday Afternoon, Nov. 28, 2014

13:30 - 15:15, Room A501 - A503, Classroom Building A（教学楼A座）

Session I-1. Computer Vision I		Session I-2. Computer Graphics I		Session I-3. Image and Video Processing I	
Chairman: A. Prof. Yun Liang (Room A501)		Chairman: Dr. Guifeng Zheng (Room A502)		Chairman: Dr. Kun Zeng (Room A503)	
Visual Tracking with Multi-level Dictionary Learning	Yufeng Liu, Huifang Zhang, Zhuo Su, Xiaonan Luo	A Geometric Interpolation Algorithm by Non-uniform Cubic B-Splines	Chunjing Li, Anning Wang, Kai Li, Jinwu Liu	A Fast Intra-mode Decision Scheme for HEVC	Wenpeng Ding, Wenlong Shen, Yunhui Shi, Baocai Yin
Fine-Grained Vehicle Recognition via Detection-Classification-Tracking in Surveillance Video	Jin Zhan, Huifang Zhang, Xiaonan Luo	Ternary m-Point Approximating Subdivision Schemes	Jiaze Sun, Jieqing Tan	Fast CU Size Decision Algorithm Based on Minimum Mean Squared Error Estimators	Meihua Gu, Tingting Yang, Xinhui Liu
Real-Time Robust Hand Tracking Based on Camshift and Motion Velocity	Chenyang Chen, Mingmin Zhang, Kaijia Qiu, Zhigeng Pan	A New Scheme of Interpolation Subdivision Surface by Using the Bezier Curve	Mao Aihua, Chen Jun, Wang Ruomei, Luo Jie	Single Image Super-resolution Using Multi-task Gaussian Process Regression	Jianhong Li, Dong Wang, Xiaonan Luo
Robust Face Recognition Based l21-Norm Sparse Representation	Zhao Lu, Yanfeng Sun, Yongli Hu, Baocai Yin	A Fast 3-D Face Reconstruction Method	Changming Meng, Fan Zhou, Ruomei Wang	A Novel Two-Step Approach for the Super-resolution Reconstruction of Video Sequences	Lei He, Jieqing Tan, Chengjun Xie, Min Hu
Principal Component Analysis in Linear Discriminant Analysis Space for Face Recognition	Hang Su, Xuansheng Wang	Feature-Adaptive Frequency Domain Method to Representing 3D Medical Images	Yihui Guo, Xiaonan Luo	Single-Frame Image Super-resolution Based on In-Place Patch Match Model	Pan Qi
Matrix Reduction Based on Generalized PCA Method in Face Recognition	Chunjing Li, Jinwu Liu, Anning Wang, Kai Li	Symmetry Based Chinese Ancient Architecture Reconstruction from Incomplete Point Cloud	Er Li, Xiaopeng Zhang, Yanyun Chen	A Content-Aware Scaling Method for Stereoscopic Images	Kehong Li, Yongyi Gong, Qi Li, Lingmin Jiang

Friday Afternoon, Nov. 28, 2014

15:30 - 17:15, Room A501 - A503, Classroom Building A（教学楼A座）

Session I-1. Computer Vision II		Session I-2. Computer Graphics II		Session I-3. Image and Video Processing II	
Chairman: Dr. Mouguang Lin (Room A501)		Chairman: A. Prof. Aihua Mao (Room A502)		Chairman: Dr. Xiaowei Xu (Room A503)	
A New Edge Detection Method Based on Hausdorff Distance	Lu You, Meng Qingxin, Guo Jiangtao	Depth Sensing of Complex Scenes Using a Multimodal Pseudo-Random Structured Light	Qianjun Wu, Shaofan Wang, Dehui Kong, Baocai Yin	Image Edit by Boundary Difference Propagation	Pan Qi
Detection of Bifurcation Pixels in Edge Images	Qi Li , Yongyi Gong	Optimizing Mask and Dictionary of Compressive Light Field Photography	Zhangyu Yao, Yunhui Shi, Wenpeng Ding, Baocai Yin, Junbin Gao	Cuteness Recognition and Localization in the Photos of Animals	Yu Bao
Concave Region Partitioning with a Greedy Strategy on Imbalanced Points	Qi Li, Yongyi Gong, Yixuan Lu	The 3D Model Compression Method Based on Sparse Representation	Yong Zhang, Juan Xue, Dehui Kong, Baocai Yin	Adaptive Anisotropic Diffusion for Image Denoising Based on Structure Tensor	Kui Liu, Jieqing Tan, Benyue Su
Semantic Feature Extraction of 3D Human Model from 2D Orthographic Projection	Yuhui Hu, Jianping Wang, Tao Jiang, Shujin Lin	3D Virtual Garments Deformation Method Based on Size-Driven	Jianping Wang, Ruomei Wang, Fan Zhou	Non-local Means Image Denoising Algorithm Based on Edge Detection	Kaihua Gan, Jieqing Tan, Lei He
Dictionary Learning in Reduced Dimension Space for Image Steganalysis	Guoming Chen, Qiang Chen, Dong Zhang	Free-Form Deformation of Parametric Surfaces Based on Extension Function with Platform	Li Zhang, Huifang Yu, Jieqing Tan	Color Transfer into Scenes	Zisheng An
Mean Shift: A Method for Measurement Matrix of Compressive Sensing	Guoming Chen, Qiang Chen, Dong Zhang	Multi-boundary Mesh Parameterization with a Virtual Boundary	Wei Hu	MRF and CRF Based Image Denoising and Segmentation	Wei Zhang, Min Li
Texture Mapping Based on Projection and Viewpoints	Xuliang Guo, Yuhui Hu, Baoquan Zhao, Shujin Lin	An Improved Texture Mapping Model Based on Mesh Parameterization in 3D Garments	You Fu, Fan Zhou, Ruomei Wang	Progressive Secret Image Sharing with Meaningful Shadows	Di Yafeng

16

Saturday Afternoon, Nov. 29, 2014

13:30 - 15:15, Room A501 - A504, Classroom Building A（教学楼A座）

Session I-1. Big Data Storage and Retrieval I		Session I-2. Software Engineering	
Chairman: A. Prof. Bo Li (Room A501)		Chairman: Dr. Xiangping Chen (Room A502)	
Incomplete Big Data Clustering Algorithm Using Feature Selection and Partial Distance	Fanyu Bu, Zhikui Chen, Qingchen Zhang, Xin Wang	A Platform for Searching UI Component of Android Application	Kaiyuan Li, Zhensheng Xu, Xiangping Chen
Textile Image Retrieval Based on BOF Approach	Feng Zhao, Fan Zhou, Ruomei Wang	Redesign of Fault Diagnosis Expert System with Manual Intervention and Self-Learning Function	Zhenzhen Zhou, Xiangyu Chen
Sketch-Based Shape Retrieval Using Orientation Histogram with Gabor Filters	Yang Kang, Haopeng Lei, Shujin Lin, Yuhua Li	An Example-Driven Approach for Automatic Extension of Monitoring Model	Yuqin He, Xiangping Chen
3D Model Retrieval Based on Three-Views Hand Drawn Sketches by Exploiting Contextual Similarity	Haopeng Lei, Helian Chen, Yuhua Li, Bin He, Yongsheng Rao, Guifeng Zheng	HAS: Hierarchical A-Star Algorithm for Big Map Navigation in Special Areas	Haifeng Wang, Jiawei Zhou, Guifeng Zheng, Yun Liang
Hierarchical Matching Of 3D Shape Based On Heat Kernel Signature	Xu Jing	ATM - Awesome Translation Machine	Hongfei Wang
Agent-Based Fault Tolerance Mechanism for Distributed Key-Value Database	Wu Hui-jun, Lu Kai, Jiang Jing-fei, Wang Shuang-xi		

Saturday Afternoon, Nov. 29, 2014

13:30 - 15:15, Room A501 - A503, Classroom Building A（教学楼A座）

Session I-3. Modeling & Simulation		Session I-4. Digital Home Network and System	
Chairman: A. Prof. Shujin Lin (Room A503)		Chairman: Prof. Yongyi Gong (Room A504)	
Simulation of a Multi-wing Chaotic System with Fractional-Order	Qiang Chen, Chaoxia Zhang	Research on Architecture of Smart Home Networks and Service Platform	Xiaowei Xu, Ye Tao, Xiaodong Wang, Xiangqian Ding
Directed-Hypergraph Based E-Learning Process Modeling Supporting Dynamic-Personalized-Combined Resource Optimization	Xuedong Sun, Zhonghua Li, Shicheng Hu	Service-Based Interactive Proxy for Sensor Networks in Smart Home: An Implementation of Home Service Bus	Ye Tao, Xiaowei Xu, Xiaodong Wang
Concurrent Editing of Styling and Structure of Auto Body Based on Metamodels	Li Baojun, Yang Lei, Hu Ping, Liu Xiuping	Modeling and Analysis of ZigBee Based Smart Home System	Hong Zheng, Haiteng Zhang, Li Pan
An Efficient Fifth Order Method for Systems of Non-linear Equations	Qing Liu, Jieqing Tan, Lei He	Health Information Exchange for Home-Based Chronic Disease Self-Management - A Hybrid Cloud Approach	Jianping Ma, Cong Peng, Qiang Chen
Efficient Scheduling Mechanism for Performance-Heterogeneous Multi-core Processor	Liu Lin-Dong, Qi De-Yu, Chen Qiang, Ruan Jin-Xin	A Novel ESD Protection Circuit for Passive RFID Transponder	Jianguo Hu, Ge Lin, Zhikui Duan, Deming Wang, Jin Wu
A Hybrid Model for Simulation of Crowd Evacuation	Xiaotian Wang, Yong Zhang, Dehui Kong, Baocai Yin	An Approach for Generating Monitoring Component in Smart Home	Kuo Liao, Xiangping Chen

Saturday Afternoon, Nov. 29, 2014

15:30 - 17:15, Room A501 - A503, Classroom Building A（教学楼A座）

Session I-1. Big Data Storage and Retrieval II		Session I-2. Multimedia & Virtual Media		Session I-3. User Interaction	
Chairman: Dr. Li Liu (Room A501)		Chairman: Dr. Xiangping Chen (Room A502)		Chairman: A. Prof Shujin Lin (Room A503)	
Constrained Frequent Subtree Mining Method	Kun Han, Weifeng Lv, Baocai Yin, Yongli Hu	Uniform Sound Pressure Level Distribution with Frequency Ranging from 600Hz to 1000Hz	Sai Ma, Yongqiang Pang, Zhaoxin Huang, Yutian Wang, Hui Wang	Study on WeChat User Behaviors of University Graduates	Donglu Song, Yujia Wang, Fang You
Template-Based Multiple Codebooks Generation for Fine-Grained Shopping Classification and Retrieval	Hui Liu, Zhuo Su	Acoustic Feedback Effect Reduction Based on Path Compensation in Multichannel FXLMS Sound Inhibition Systems	Xiao'e Liu, Qiwen Zou, Xue Wang, Ge Lin	Research on Prosody for Chinese Sign Language Synthesis	Li Jinghua, Yin Baocai, Wang Lichun, Kong Dehui, Wang Wentong
Semantic Segmentation and Labeling of 3D Garments	Li Liu, Ruomei Wang, Fan Zhou, Zhuo Su, Xiaodong Fu	Quiet Area Detection in 3D Sound Field Simulation via Delaunay Triangulation	Xiaoyan Liang, Zhe Fan, Ge Lin, Xiaonan Luo	Semantic-Oriented Shape Exploration for Car Styling	Wang Bo, Li Bao-Jun, Hu Ping, Song Ming-Liang
Stretching-Robust Laplace Spectral Descriptor for Non-rigid 3D Shape Retrieval	Yusong Liu, Zhixun Su, Junjie Cao, Hui Wang	Multichannel LMS-Based Large Area Sound Inhibition in Home Environment: Preliminary Simulation and Experiments	Xue Wang, Xiao'e Liu, Qiwen Zou, Ge Lin	Leap Studio - A Virtual Interactive 3D Modeling Application Based on Web GL	Nhat Quang Do, Hongming Cai, Lihong Jiang
Pair-wise Diversity Measure for Multiple Classifier System Based on Evidence Theory	Yuan-Dong Lan, Qun Chen	Nonuniform Parametric Human Body Based on Model Reuse	Lifeng Huang, Chengying Gao	An On-Screen User Declaration Approach for 3-D Scene Manipulation	Ye Tao, Xiaowei Xu, Xiaodong Wang
Object Level Saliency by Submodular Optimization	Guangyu Zhong, Bo Li, Junjie Cao, Zhixun Su	Heat and Moisture Transfer Computation Model Based on Parallel Simulation in Clothed Human	Nan Jia, Fan Zhou, Ruomei Wang	Efficient Facial Beautifier on Mobile Devices	Feng Yurao