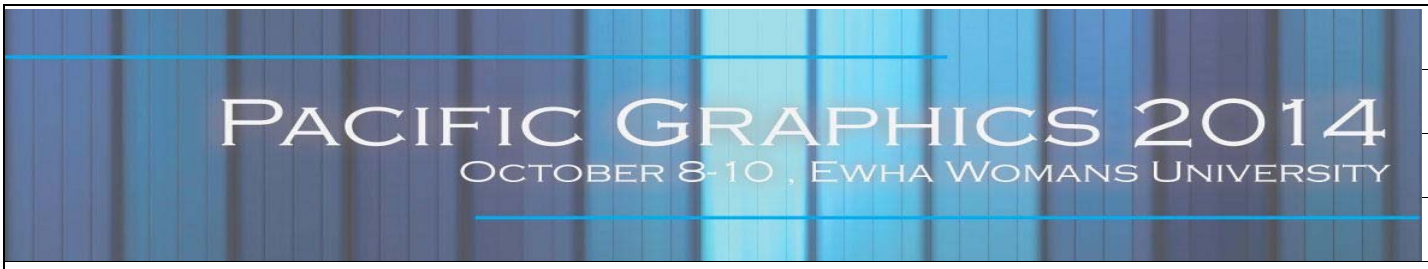

Pacific Graphics 2014 Program, LG Convention Hall, Ewha Womans University (Oct 8-10, 2014)

[Day 1] Wednesday October 8th, 2014

08:00-08:45	**Registration**	
08:45-09:00	**Chairs Welcome**	
9:00-10:30	**Character Animation (Chair: Taehyun Rhee)**	
	Environment-Adaptive Contact Poses for Virtual Characters	Changgu Kang, Sung-Hee Lee
	Data-Driven Reconstruction of Human Locomotion Using a Single Smartphone	Haegwang Eom, Byungkuk Choi, Junyong Noh
	Editing and Synthesizing Two-Character Motions using a Coupled Inverted Pendulum Model **(Best Paper Award Candidate)**	Jaepyung Hwang, Il Hong Suh, Taesoo Kwon
	Locomotion Skills for Insects with Sample-based Controller	Shihui Guo, Jian Chang, Xiaosong Yang, Wencheng Wang, Jiangjun Zhang
	A Data-Driven Framework for Visual Crowd Analysis	Panayiotis Charalambous, Ioannis Karamouzas, Stephen Guy, Yiorgos Chrysanthou
10:30-10:50	**Coffee Break**	
10:50-11:50	**Keynote1: Networks of Shapes and Images**	Leo Guibas Stanford University (Chair: Youngmin Kim)
11:50-13:20	**Lunch (Lee Sambong Hall - Ewha Campus Complex B4)**	
13:20-14:50	**Rendering (Chair: Sungkil Lee)**	
	shade.js: Adaptive Material Descriptions	Kristian Sons, Felix Klein, Jan Sutter, Philipp Slusallek
	Sky Based Light Metering for High Dynamic Range Images	Yulia Gryaditskaya,Tania Pouli, Erik Reinhard, Hans-Peter Seidel
	Using Physically Based Rendering to Benchmark Structured Lighting Scanners	Esdras Medeiros, Harish Doraiswamy, Matthew Berger, Claudio T. Silva
	Sub-pixel Anti-aliasing via Triangle-based Geometry Reconstruction	Wenjun Du, Jieqing Feng, Baoguang Yang
	Template-Based Sampling of Anisotropic BRDFs	Jiri Filip, Radomir Vavra
14:50-15:10	**Coffee Break**	
15:10-16:40	**Shapes and Cryptography (Chair: Gopi Meenakshisundaram)**	
	Interactive Image-Guided Modeling of Extruded Shapes **(Best Paper Award Candidate)**	Yan-Pei Cao, Tao Ju, Zhao Fu, Shi-Min Hu
	Anisotropic Geodesics for Live-wire Mesh Segmentation	Yixin Zhuang, Ming Zou, Nathan Carr, Tao Ju
	Multiple Shape Correspondence by Dynamic Programming	Yusuf Sahillioglu, Yucel Yemez
	Approximate Symmetry Detection in Partial 3D Meshes	Ivan Sipiran, Robert Gregor, Tobias Schreck

	Structure Aware Visual Cryptography	Bin Liu, Ralph Martin, Ji-Wu Huang, Shi-Min Hu
16:40-17:00	**Coffee Break**	
17:00~18:15	**Short Papers FastForward (Chair: John Keyser)**	
	Incorporating Fiber Controls into FEM Model for Transversely Isotropic Materials	Cai Jianping, Lin Feng, Lee Yong Tsui, Qian Kemao, Seah Hock Soon
	Scene Segmentation and Understanding for Context-Free Point Clouds	Sandro Spina, Kurt Debattista, Keith Bugeja, Alan Chalmers
	Visibility Filtering for Producing Indirect Illumination	Yu-Jung Chen, Chen-Yu Yen, Yen-Yu Chen, Wei-Chao Chen, Shao-Yi Chien
	Integrating Occlusion Culling into LOD on GPU	Chao Peng
	Surface Mesh Segmentation and Reconstruction with Smooth Boundary Curves	Shoichi Tsuchie, Masatake Higashi
	Projecting Points onto Parametric Surfaces by Local Biarc Approximation	Haichuan Song, Kanle Shi, Junhai Yong, Sen Zhang
	Real-time Collision Detection with Two-level Spatial Hashing on GPU	Yang Hong, Wen Wu, Hui Chen
	Automatic Garment Modeling From Front And Back Images	Lifeng Huang, Chengying Gao
	Random Sparse Coded Aperture for Lensless Imaging	Zhenglin Wang, Ivan Lee
	Image Palette: Brushstroke Synthesis-based Style Transfer	Zheng Miao, Yan Zhang, Zhibin Zheng, Zhengxing Sun
	Album Quickview in Comic-like Layout via Quartet Analysis	Zhibin Zheng, Yan Zhang, Zheng Miao, Zhengxing Sun
	Data-Driven Fire Synthesis and Design	Sai-Keung Wong, Tse-Ching Chang, Tan-Chi Ho, Jung-Hong Chuang
	Finding Feature Similarities Between Geometric Trees	Uddipan Mukherjee, Gopi Meenakshisundaram
	Automatic Aesthetics-based Lighting Design with Global Illumination	Vincent Léon, Adrien Gruson, Rémi Cozot, Kadi Bouatouch
	Quantitative Analysis of Voxel Raytracing Acceleration Structures	Matthäus Chajdas, Rüdiger Westermann
	Saliency-driven Depth Compression for 3D Image Warping	Minjie Gu, Shanfeng Hu, Xiaochuan Wang, Xiaohui Liang, Xukun Shen, Aihong Qin
	Geometry-aware Image Completion via Multiple Examples	Guihang Wang, Xuejin Chen, Siyu Hu
	Example-based Haze Removal with Two-layer Gaussian Process Regressions	Xin Fan, Renjie Gao, Yi Wang
	PatchMove: Patch-based Fast Image Interpolation with Greedy Bidirectional Correspondence	Saito Shunsuke, Ryuuki Sakamoto, Shigeo Morishima
	Extraction and Transfer of Facial Expression Wrinkles for Facial Performance Enhancement	Il-Kyu Shin, Cengiz Oztireli, Hyeon-Joong Kim, Thabo Beeler, Markus Gross, Soo-Mi Choi
	Visual Analysis of FPS Gameplay Data: From Game Design to Player Behavior	Quan Li, Huamin Qu
	Automatic 3D Posing from 2D Hand-Drawn Sketches	Alexandros Gouvatsos, Zhidong Xiao, Neil Marsden, Jian J. Zhang
	Parallel BTF Compression with Multi-Level Vector Quantization in OpenCL	Petr Egert, Havran Vlastimil
	A Simple Artistic Rendering Method for Stereoscopic Images	Dajin Li, Chengjie Bai
	Sky Browser: Search for HDR Sky Maps	Andrew Chalmers, J.P. Lewis, Peter Hillman, Charlie Tait, Taehyun Rhee
	Perceptually Optimised Illumination for Seamless Composites	Andrew Chalmers, Jong Jin Choi, Taehyun Rhee
20:00~22:00	Welcome Party (Barfly in Sinchon)	

[Day 2] Thursday, October 9th, 2014		
08:00-09:00	**Registration**	
09:00-10:00	**Keynote2: Image and Video Forensics through Content Analysis**	James O'Brien University of California, Berkeley (Chair: Jehee Lee)
10:00-10:20	**Coffee Break**	
10:20-11:50	**Surfaces (Chair: Leif Kobbelt)**	
	G2 Surface Interpolation Over General Topology Curve Networks	Peter Salvi, Tamas Varady
	Polyline-sourced Geodesic Voronoi Diagrams on Triangle Meshes	Chunxu Xu, Yong-Jin Liuy, Qian Sun, Jinyan Li, Ying He
	Adaptive Multi-scale Analysis for Point-based Surface Editing	Georges Nader, Gael Guennebaud, Nicolas Mellado
	Fast and Scalable Mesh Superfacets	Patricio Simari, Giulia Picciau, Leila De Floriani
	Fractional Reyes-Style Adaptive Tessellation for Continuous Level of Detail	Gabor Liktor, Minghao Pan, Carsten Dachsbacher
11:50-13:20	**Lunch (Food Hall - Ewha Campus Complex B4)**	
13:20-14:50	**Particles and Deformation (Chair: Xinyu Zhang)**	
	Hybrid Particle-grid Modeling for Multi-scale Droplet/Spray Simulation **(Best Paper Award Candidate)**	Lipeng Yang, Shuai Li, Aimin Hao, Hong Qin
	Advanced Hybrid Particle-Grid Method with Sub-Grid Particle Correction	Kiwon Um, Seungho Baek, JungHyun Han
	Incompressible SPH using the Divergence-Free Condition	Nahyup Kang, Donghoon Sagong
	Real-Time Symmetry-Preserving Deformation **(Best Paper Award Candidate)**	Xiaokun Wu, Michael Wand, Klaus Hildebrandt, Pushmeet Kohli, Hans-Peter Seidel
	Sparse Localized Decomposition of Deformation Gradients	Zhichao Huang, Junfeng Yao, Zichun Zhong, Yang Liu, Xiaohu Guo
14:50-15:10	**Coffee Break**	
15:10-16:40	**TVCG Papers (Chair: SungEui Yoon)**	
	Scalable Collision Detection Using p-Partition Fronts on Many-Core Processors	Xinyu Zhang, Young J. Kim
	Image-Based Reverse Engineering and Visual Prototyping of Woven Cloth	Kai Schroeder, Arno Zinke, Reinhard Klein
	Second-Order Feed-Forward Rendering for Specular and Glossy Reflections	Lili Wang, Naiwen Xie, Wei Ke, Voicu Popescu
	Content-aware Photo Collage Using Circle Packing	Zongqiao Yu, Lin Lu, Yanwen Guo, Rongfei Fan, Mingming Liu, Wenping Wang
	Content-aware Video Retargeting Using Object-preserving Warping	Shih-Syun Lin, Chao-Hung Lin, I-Cheng Yeh, Shu-Huai Chang, Chih-Kuo Yeh, Tong-Yee Lee
16:40-17:00	**Walk to Ewha Campus Complex**	
17:00-18:30	**Short Papers Poster Presentation (Lee Sambong Hall, Ewha Campus Complex B4)**	
18:30-21:00	**Banquet (Lee Sambong Hall, Ewha Campus Complex B4)**	
[Day 3] Friday, October 10th, 2014		
08:30-09:00	**Registration**	

09:00-10:00	**Keynote3: AN EVOLUTION OF MOBILE GRAPHICS, V2**	Michael Shebanow Samsung Research America (Chair: Dinesh Manocha)
10:00-10:20	**Coffee Break**	
10:20-11:50	**Reconstruction and Depth (Chair: Michael Brown)**	
	2D-3D Lifting for Shape Reconstruction	Liangliang Nan, Andrei Sharf, Baoquan Chen
	Realistic Road Path Reconstruction from GIS data	Hoang Ha Nguyen, Brett Desbenoit, Marc Daniel
	Automatic 3D Indoor Scene Updating with RGBD Cameras	Zhenbao Liu, Sicong Tang, Weiwei Xu, Shuhui Bu, Junwei Han, Kun Zhou
	Efficient Depth Propagation for Constructing a Layered Depth Image from a Single Image	Satoshi Iizuka, Yuki Endo, Yoshihiro Kanamori, Jun Mitani, Yukio Fukui
	Making in-Front-of Cars Transparent: Sharing First-Person-Views via Dashcam **(Best Paper Award Candidate)**	Shao-Chi Chen, Hsin-Yi Chen, Yi-Ling Chen, Hsin-Mu Tsai, Bing-Yu Chen
11:50-13:20	**Lunch (Food Hall, Cathay Ho, Dr. Robin - Ewha Campus Complex B4)**	
13:20-15:30	**Color and Imaging (Chair: Weiming Dong)**	
	Learning Natural Colors for Image Recoloring	Hao-Zhi Huang, Song-Hai Zhang, Ralph R. Martin, Shi-Min Hu
	Perceptually-based Color Assignment	Hye-Rin Kim, Min-Joon Yoo, Henry Kang, In-Kwon Lee
	Illuminant Aware Gamut-Based Color Transfer	Rang Nguyen, Seon Joo Kim, Michael Brown
	Single-shot High Dynamic Range Imaging Using Coded Electronic Shutter **(Best Paper Award Candidate)**	Hojin Cho, Seon Joo Kim, Seungyong Lee
	Fast Feature-Oriented Visual Connection for Large Image Collections	Qingan Yan, Zhan Xu, Chunxia Xiao
	Perceptually-motivated Stereoscopic Film Grain	Krzysztof Templin, Piotr Didyk, Karol Myszkowski, Hans-Peter Seidel
	Time-Lapse Photometric Stereo and Applications	Fangyang Shen, Kalyan Sunkavalli, Nicolas Bonneel, Szymon Rusinkiewicz, Hanspeter Pfister, Tong Xin
15:30-15:50	**Coffee Break**	
15:50-17:20	**TVCG/CGF Papers (Chair: In-Kwon Lee)**	
	Effects of Approximate Filtering on the Appearance of Bidirectional Texture Functions	Adrian Jarabo, Hongzhi Wu, Julie Dorsey, Holly Rushmeier, Diego Gutierrez
	Just-in-Time Texture Synthesis	Lili Wang, Yulong Shi, Yi Chen, Voicu Popescu
	Content-Based Color Transfer	Fuzhang Wu, Weiming Dong, Yan Kong, Xing Mei, Jean-Claude Paul
	Fast Shadow Removal Using Adaptive Multi-scale Illumination Transfer	Chunxia Xiao, Ruiyun She, Donglin Xiao, Kwan-Liu Ma
	Real-Time Defocus Rendering with Level of Detail and Subsample Blur	Yuna Jeong, Kangtae Kim, Sungkil Lee
17:20-18:00	**Awards and Closing**	