SIGGRAPH 2015 Technical Papers		
Title	**Author Names/Affiliations**	**Image Credits**
Improving Light Field Camera Sample Design with Irregularity and Aberration	Li-Yi Wei - Dragoniac, Lytro, University of Hong Kong Chia-Kai Liang - Lytro Graham Myhre - Lytro Colvin Pitts - Lytro Kurt Akeley - Lytro	
Parametric Self-supporting Surfaces via Direct Computation of Airy Stress Functions	Masaaki Miki - The University of Tokyo Takeo Igarashi - The University of Tokyo Philippe Block - ETH Zurich	
Data-Driven Finite Elements for Geometry and Material Design	Desai Chen - Massachusetts Institute of Technology (MIT) David Levin - The Walt Disney Company, Massachusetts Institute of Technology (MIT) Shinjiro Sueda - California Polytechnic State University, Massachusetts Institute of Technology (MIT), The Walt Disney Company Wojciech Matusik - Massachusetts Institute of Technology (MIT)	
Computational Interlocking Furniture Assembly	Chi-Wing Fu - Nanyang Technological University Peng Song - University of Science and Technology of China Xiaoqi Yan - Nanyang Technological University Lee Wei Yang - Nanyang Technological University Pradeep Kumar Jayaraman - Nanyang Technological University Daniel Cohen-Or - Tel Aviv University	
Sketchable Dynamic Deformations	Martin Guay - Grenoble Universities, LJK, INRIA RÃ©mi Ronfard - Grenoble Universities, LJK, INRIA Michael Gleicher - University of Wisconsin Marie-Paule Cani - Grenoble Universities, LJK, INRIA	
Controlling Procedural Modeling Programs with Stochastically-Ordered Sequential Monte Carlo	Daniel Ritchie - Stanford University Noah D. Goodman - Stanford University Pat Hanrahan - Stanford University	http://www.milliande-printables.com

High-Resolution Brittle Fracture Simulation with Boundary Elements	David Hahn - IST Austria Chris Wojtan - IST Austria	
Homogeneous Codes for Energy-Efficient Illumination and Imaging	Matthew O'Toole - University of Toronto Supreeth Achar - Carnegie Mellon University Srinivasa G. Narasimhan - Carnegie Mellon University Kiriakos N. Kutulakos - University of Toronto	
Dihedral Angle-Based Maps of Tetrahedral Meshes	Gilles-Philippe Paillé - University of Montreal Nicolas Ray - INRIA Pierre Poulin - University of Montreal Alla Sheffer - University of British Columbia Bruno Lévy - INRIA	
Power Particles: An incompressible fluid solver based on power diagrams	Fernando de Goes - California Institute of Technology Corentin Wallez - Ecole Polytechnique Jin Huang - State Key Lab of CAD & CG, Zhejiang University Dmitry Pavlov - Imperial College London Mathieu Desbrun - California Institute of Technology	
Zoomorphic Shape Creation	Noah Duncan - University of California, Los Angeles (UCLA) Lap-Fai Yu - University of Massachusetts Sai-Kit Yeung - Singapore University of Technology and Design Demetri Terzopoulos - University of California, Los Angeles (UCLA)	http://www.3dvia.com
Practical Hex-Mesh Optimization via Edge-Cone Rectification	Marco Livesu - University of British Columbia Alla Sheffer - University of British Columbia Nicholas Vining - University of British Columbia Marco Tarini - ISTI-CNR	
Semantic Shape Editing	Mehmet Ersin Yumer - Carnegie Mellon University Levent Burak Kara - Carnegie Mellon University	
Dynamic Terrain Traversal Skills Using Reinforcement Learning	Xue Bin Peng - University of British Columbia Glen Berseth - University of British Columbia Michiel van de Panne - University of British Columbia	

Deformation Capture and Modeling of Soft Objects	Bin Wang - Shenzhen Institute of Advanced Technology (SIAT) Longhua Wu - Shenzhen Institute of Advanced Technology (SIAT) Kangkang Yin - National University of Singapore Uri Ascher - University of British Columbia Libin Liu - Shenzhen Institute of Advanced Technology (SIAT) Hui Huang - Shenzhen Institute of Advanced Technology (SIAT)	
Vector Graphics Animation with Time-Varying Topology	Boris Dalstein - University of British Columbia RÃ©mi Ronfard - Inria Michiel van de Panne - University of British Columbia	
Interaction Context (ICON): Towards a Geometric Functionality Descriptor	Ruizhen Hu - Simon Fraser University, Shenzhen Institute of Advanced Technology (SIAT), Zhejiang University Chenyang Zhu - Simon Fraser University Oliver van Kaick - Carleton University Ligang Liu - University of Science and Technology of China Ariel Shamir - IDC The Interdisciplinary Center, Israel Hao (Richard) Zhang - Simon Fraser University	
Close-to-Conformal Deformations of Volumes	Albert Chern - California Institute of Technology Ulrich Pinkall - Technical University Berlin Peter Schröder - California Institute of Technology	
Nonlinear Material Design Using Principal Stretches	Hongyi Xu - University of Southern California Fun Shing Sin - University of Southern California, Activision Blizzard, Inc Yufeng Zhu - University of Southern California, Department Of Computer Science, University Of British Columbia Jernej Barbic - University of Southern California	

Seamless Surface Mappings	Noam Aigerman - The Weizmann Institute of Science Roi Poranne - The Weizmann Institute of Science Yaron Lipman - The Weizmann Institute of Science	
Coupled Segmentation and Similarity Detection for Architectural Meshes	Ilke Demir - Purdue University Daniel Aliaga - Purdue University Bedrich Benes - Purdue University	
An Implicit Viscosity Formulation for SPH Fluids	Andreas Peer - University of Freiburg Markus Ihmsen - University of Freiburg Jens Cornelis - University of Freiburg Matthias Teschner - University of Freiburg	
Computational Hydrographic Printing	Yizhong Zhang - Zhejiang University Chunji Yin - Zhejiang University Changxi Zheng - Columbia University Kun Zhou - Zhejiang University	
Learning Shape Placements by Example	Paul Guerrero - King Abdullah University Of Science And Technology (KAUST), Vienna University of Technology Stefan Jeschke - IST Austria Michael Wimmer - Vienna University of Technology Peter Wonka - King Abdullah University Of Science And Technology (KAUST)	
Computing Locally Injective Mapping by Advanced MIPS	Xiaoming Fu - University of Science and Technology of China, Microsoft Research Asia Yang Liu - Microsoft Research Asia Baining Guo - Microsoft Research Asia	
A Computational Approach for Taking Photos Through Visual Obstructions	Tianfan Xue - Microsoft Corporation, Massachusetts Institute of Technology (MIT) Michael Rubinstein - Google Research Liu Ce - Google Research William Freeman - Massachusetts Institute of Technology (MIT), Google Research	Association for Computing Machinery, Inc. Email: customercare@copyright.com

Isotopic Approximation within a Tolerance Volume	Manish Mandad - INRIA Sophia Antipolis - INRIA David Cohen-Steiner - INRIA Pierre Alliez - INRIA	
STIK: Architecture-scale additive manufacturing with chopsticks, hand-held dispensor, and Projection Mapping	Hironori Yoshida - The University of Tokyo Yosuke Takami - The University of Tokyo Takeo Igarashi - The University of Tokyo Yusuke Obuchi - The University of Tokyo Jun Sato - The University of Tokyo Masaaki Miki - The University of Tokyo Mika Araki - The University of Tokyo Kazuhide Sakai - Shimizu Corp. Syunsuke Igarashi - Shimizu Corp.	
StyleDB: Visual search for product design	Sean Bell - Cornell University Kavita Bala - Cornell University	Houzz
Convolutional Wasserstein Distances: Efficient Optimal Transportation on Geometric Domains	Justin Solomon - Stanford University Fernando de Goes - Pixar Animation Studios Gabriel Peyré - Université Paris-Dauphine Marco Cuturi - Kyoto University Adrian Butscher - Autodesk, Inc. Andy Nguyen - Stanford University Tao Du - Stanford University Leonidas Guibas - Stanford University	
Learning Quadrangulations	Giorgio Marcias - ISTI-CNR Kenshi Takayama - National Institute of Informatics Nico Pietroni - ISTI-CNR Daniele Panozzo - ETH Zurich Enrico Puppo - Universita' di Genova Olga Sorkine-Hornung - ETH Zurich Paolo Cignoni - ISTI-CNR	
Intuitive and Efficient Camera Control with the Toric Space	Christophe Lino - IRISA/INRIA Rennes Bretagne Atlantique Marc CHRISTIE - IRISA/INRIA Rennes Bretagne Atlantique	

Measurement-based Editing of Diffuse Albedo with Consistent Interreflections	Bo Dong - College of William & Mary Yue Dong - Microsoft Research Asia Xin Tong - Microsoft Research Asia Pieter Peers - College of William & Mary	
Codimensional Non-Newtonian Fluids	Bo Zhu - Stanford University Minjae Lee - Stanford University Ed Quigley - Stanford University Ronald Fedkiw - Stanford University	
By-Example Synthesis of Structurally Sound Patterns	Jérémie Dumas - INRIA An Lu - Technische Universität München Sylvain Lefebvre - INRIA Jun Wu - Technische Universität München Christian Dick - Technische Universität München	
Simulating Animations of Human Dressing	Alexander Clegg - Georgia Institute of Technology Jie Tan - Georgia Institute of Technology Greg Turk - Georgia Institute of Technology Karen Liu - Georgia Institute of Technology	
Bounded distortion planar harmonic mappings	Renjie Chen - University of North Carolina at Chapel Hill Ofir Weber - Bar Ilan University	
Flow-Aligned Surfacing of Curve Networks	Hao Pan - The University of Hong Kong Yang Liu - Microsoft Research Asia Alla Sheffer - University of British Columbia Nicholas Vining - University of British Columbia Changjian Li - The University of Hong Kong Wenping Wang - The University of Hong Kong	
Dyna: A Model of Dynamic Human Shape in Motion	Gerard Pons-Moll - Max Planck Institute for Intelligent Systems Javier Romero - Max Planck Institute for Intelligent Systems Naureen Mahmood - Max Planck Institute for Intelligent Systems Michael Black - Max Planck Institute for Intelligent Systems	

Fab Forms: Customizable Objects for Fabrication	Maria Shugrina - Massachusetts Institute of Technology (MIT) Ariel Shamir - IDC The Interdisciplinary Center, Israel Wojciech Matusik - Massachusetts Institute of Technology (MIT)	
Abstracting Man-made Scenes with Regular Arrangements of Planes	Aron Monszpart - University College London Nicolas Mellado - CNRS, University College London, IRIT - Université Paul Sabatier Gabriel J. Brostow - University College London Niloy J. Mitra - University College London	
Aerophones in Flatland: Interactive Wave-based Wind Instruments in 2D	Andrew Allen - Microsoft Research Nikunj Raghuvanshi - Microsoft Research	
Double Bubbles Sans Toil and Trouble: A Circulation-Preserving Vortex Sheet Model for Soap Films and Foams	Fang Da - Columbia University Christopher Batty - University of Waterloo Chris Wojtan - IST Austria Eitan Grinspun - Columbia University	