

Digital Production Symposium 2012 Program

4 August 2012 | DreamWorks Animation SKG, Los Angeles | SIGGRAPH2012 Co-Located Event



8:30-9:00am

Registration and Coffee

9:00-9:15am

Introduction

9:15-10:30am

Keynote

Virtual Production: What It Means to Combine Animation, Visual Effects and Live Action Filmmaking

Joe Letteri, Senior Visual Effects Supervisor, Weta Digital

10:45am-12:30pm

Deep Space

Session Chair: Bill Polson, Pixar Animation Studios

Camera Space Volumetric Shadows

Johannes Hanika, Peter Hillman, Martin Hill, Luca Fascione (Weta Digital)

Improving Crowd Quality Through Interdepartmental Collaboration on Madagascar 3: Europe's Most Wanted

Nathaniel Dirksen, Justin Fischer, Jung-Hyun Kim, Kevin Vassey, Rob Vogt (PDI/DreamWorks)

A Facial Composite Editor for Blendshape Characters

Wan-Chun Ma, Marco Barbat, J.P. Lewis (Weta Digital)

M.A.C.: An Automatic Stereoscopic Calculator for Animation Pipelines

Philip McNally, Matthew M. Low (DreamWorks Animation)

12:30-1:45pm

Lunch

1:45-3:00pm

Fluid Flow

Session Chair: Tae-Yong Kim, NVIDIA

A Data-Driven Approach for Synthesizing High-Resolution Animation of Fire

Syuhei Sato (Hokkaido Univ.), Takuya Morita (Hokkaido Univ.), Yoshinori Dobashi (Hokkaido Univ./JST CREST), Tsuyoshi Yamamoto (Hokkaido Univ.)

Scalable Fluid Simulation in Linear Time on Shared Memory Multiprocessors

Ronald D. Henderson (DreamWorks Animation)

Extracting Fluid from a Video for Efficient Post-Production

Makoto Okabe (UEC/JST PRESTO), Ken Anjo (OLM Digital/JST CREST), Rikio Onai (UEC)

3:15-4:30pm

Speed

Session Chair: Doug Epps

LibEE: A Multithreaded Dependency Graph for Character Animation

Martin Watt, Lawrence D. Cutler, Alex Powell, Michael Hutchinson, Kevin Ochs (DreamWorks Animation)

Ray Casting Sparse Level Sets

Meng Zhu (Clemson Univ./DreamWorks Animation), Donald House (Clemson Univ.), Mark Carlson (DreamWorks Animation)

Bringing Transmittance Function Maps to the Screen: Wrath of the Titans and Prometheus

Jose Esteve (Moving Picture Company), Jamie Portsmouth (Moving Picture Company), Pascal Gautron (Technicolor), Jean-Colas Prunier (Moving Picture Company), Jean-Eudes Marvie (Technicolor), Cyril Delalandre (Technicolor)

4:45-5:15pm

DigiPro Planning Session



Organization

Symposium Co-Chairs:

Armin Bruderlin (Sony Pictures Imageworks), Ken Anjyo (OLM Digital)

Program Co-Chairs:

Eric Enderton (NVIDIA), Larry Cutler (PDI/DreamWorks)

Advisory Board:

J.P. Lewis (WETA Digital), Junyong Noh (KAIST)

International Program Committee:

Anil Kokaram (Trinity College),	Larry Gritz (Sony Pictures Imageworks),
Ari Shapiro (Institute for Creative Technologies),	Mark Carlson (DreamWorks Animation),
Bill Polson (Pixar),	Nico Scapel (Framestore),
Byungwon Choe (Intel),	Oliver James (Double Negative),
Doug Epps,	Per Christensen (Pixar),
Doug Roble (Digital Domain),	Taeyong Kim (NVIDIA),
Jusub Kim (Rhythm & Hues),	Tim McLaughlin (Texas A&M University),
Ken Museth (DreamWorks Animation),	Yuwing Tai (KAIST)

Treasurer:

Ayumi Kimura (OLM Digital)

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