



SPRING CONFERENCE ON COMPUTER GRAPHICS

Smolenice, April 27-29, 2016

Conference Chair: Prof. Michela Spagnuolo

SCCG 2016 CONFERENCE PROGRAMME

WEDNESDAY, April 27, 2016

Travel and Lunch

CONFERENCE OPENING

13.30 INVITATION MOVIE

The Dean of the Faculty of Mathematics, Physics
and Informatics

Prof. RNDr. Jozef MASARIK, DrSc.

SCCG 2016 Conference Chair

Prof. Michela Spagnuolo

16:00 COFFEE BREAK

COLLISION AND ANIMATION

(chair: Andrej Ferko)

16:30 Evaluation of Continuous Collision Detection
Accelerated with Tetrahedral Structures
Jan Cejka

16:55 Efficient Collision Culling by a Succinct Bi-
dimensional Sweep and Prune Algorithm
Gabriele Capannini

17:20 Partial Updates to Accelerate GPU-Based
Interactive Hydraulic Erosion
David Müller

***** SCIENTIFIC PROGRAMME *****

INVITED TALK

(chair: Daniele Panozzo)*

14:00 Towards intent-driven shape modeling for creative
users in industrial design
Franca Giannini

15:00 SHORT BREAK

MESH PROCESSING AND GEOMETRY

(chair: Franca Giannini)*

15:10 Fast Parallel Computation of Shape Diameter
Function
Martin Madaras

15:35 Learning Geometric Graph Grammars
Vojtech Krs

***** SOCIAL PROGRAMME *****

19:00 WELCOME PARTY

THURSDAY, April 28, 2016

8:00 BREAKFAST

***** SCIENTIFIC PROGRAMME *****

INTERACTION

(chair: *)

9:30 Focus+Context Metro Map Layout and Annotation
Hsiang-Yun Wu

9:55 Individualization of 2D Color Maps for People With
Color Vision Deficiencies
Nicholas Waldin

10:20 COFFEE BREAK

INVITED TALK

(chair: Roman Ďurikovič)

10:50 10 years of Shape Retrieval Contests
Remco C. Veltkamp

12:00 LUNCH

VISUALIZATION AND RENDERING

(chair: Rafael Ballester-Ripoll*)

13:30 Adaptive visualization of 3D mesh according to the
user preference and to various device resolutions
Zeineb Abderrahim

13:55 Pioneering works in the application of random
numbers to digital art
Marie Nedvedova

14:20 Rendering large datasets of georeferenced markers
in mobile devices
Sebastián Ortega

14:45 SHORT BREAK

INVITED TALK

(chair: Michela Spagnuolo*)

15:00 Generalized Tangent Vector Fields
Daniele Panozzo

16:00 COFFEE BREAK

SHORT PAPERS

(chair: Elena Šikudová)

16:30 Parallel plug-in for 3D reconstruction of medical
images
Milan Jaros

16:50 A Web-based Application for Difference
Assessment of Medical Image Segmentations
Asan Agibetov

POSTER SESSION

(chair: Zuzana Černeková)

17:10 Rehabilitation games exploiting augmented reality
and depth-sensing cameras
Matej Nikorovic

***** SOCIAL PROGRAMME *****

19:00 DINNER/BARBECUE SESSION

FRIDAY, April 29, 2016

8:00 BREAKFAST

10:45 COFFEE BREAK

***** SCIENTIFIC PROGRAMME *****

INVITED PRESENTATION

(chair: Michela Spagnuolo)*

COMPUTER VISION AND IMAGE SEARCH

(chair: Remco C. Veltkamp)*

11:15 Analysis of Tensor Approximation for
Compression-Domain Volume Visualization
Rafael Ballester-Ripoll

9:30 Feature extraction for efficient image and video
segmentation
Jakub Vojvoda

11:40 SHORT BREAK

9:55 Visual Correction of Position Drift using Uniform
Marker Fields
Michal Zacharias

11:45 **CONFERENCE CLOSING CEREMONY**

10:20 Deep Learning on Small Datasets using Online
Image Search
Martin Kolar

12:15 LUNCH

(*) to be confirmed

Please, follow the last minute changes at the MESSAGE BOARD in the lobby.

SCCG 2016 Organizing Committee