

3DOR 2017 PROGRAMME

Day 1 (April 23rd, 2017)

08.30 - 09.00 **registration**

09.00 - 09.15 **Opening**

09.15 - 10.45 **Paper Session I**

- Exploiting the PANORAMA Representation for Convolutional Neural Network Classification and Retrieval
Konstantinos Sfikas, Theoharis Theoharis and Ioannis Pratikakis
- LightNet: A Lightweight 3D Convolutional Neural Network for Real-Time 3D Object Recognition
Shuaifeng Zhi, Yongxiang Liu, Xiang Li and Yulan Guo
- Unstructured point cloud semantic labeling using deep segmentation networks
Alexandre Boulch, Bertrand Le Saux and Nicolas Audebert

10.45 – 11.15 **Coffee break**

11.15 – 12.15 **SHREC Session I**

- Track 1 : RGB-D Object-to-CAD Retrieval
Organizers: Binh-Son Hua, Quang-Hieu Pham, Minh-Khoi Tran, Quang-Trung Truong
- Track 2: 3D Hand Gesture Recognition Using a Depth and Skeletal Dataset
Organizers: Quentin De Smedt, Hazem Wannous, Jean-Phillipe Vandeborre
- Track 3: Large-scale 3D Shape Retrieval from ShapeNet Core55
Organizers: Manolis Savva, Hao Su, Fisher Yu, Tom Funkhouser

12.15 - 13.30 **Lunch**

13.30 - 15.30 **EU Project Presentations**

- Gravitare - Geometric Reconstruction And novel semantic reunification of cultural heritage objects.
Presenter: Michela Spagnuolo
- DigiArt - The Internet Of Historical Things And Building New 3D Cultural Worlds.
Presenter: Frederic Precioso
- Scan4Reco - Multimodal Scanning of Cultural Heritage Assets for their multilayered digitization and preventive conservation via spatiotemporal 4D Reconstruction and 3D Printing.
Presenter: Andrea Giachetti
- Harvest4D - Harvesting Dynamic 3D Worlds from Commodity Sensor Clouds.
Presenter: Tamy Boubekour

15.30 - 16.30 **Coffee break with EU project Posters/Demos + Networking**

16h30 – 17h30 **Keynote 1:** Daniel Cremers

19.30 Social Dinner - La Brasserie Georges

Day 2 (April 24th, 2017)

09.00 - 10.00 **Keynote 2:** Leonidas Guibas

10.00 - 10.20 **Poster Fast Forward**

- Shape Similarity System driven by Digital Elevation Models for Non-rigid Shape Retrieval
Daniela Craciun
- Sketch-based 3D Object Retrieval with Skeleton Line Views -- Initial Results and Research Problems
Zhao Xueqing, Robert Gregor, Pavlos Mavridis and Tobias Schreck
- GSHOT: a Global Descriptor from SHOT to Reduce Time and Space Requirements
Carlos M. Mateo, Pablo Gil and Fernando Torres
- A framework based on Compressed Manifold Modes for robust local spectral analysis
Sylvain Haas, Atilla Baskurt, Florent Dupont and Florence Denis

10:20 – 11.10 **Coffee Break with poster discussion**

11:10 – 12:30 **SHREC Session II**

- Track 4 : Classification of protein shapes
Organizer: Haiguang Liu
- Track 5: Point-Cloud Shape Retrieval of Non-Rigid Toys
Organizers: Frederico A. Limberger, Richard C. Wilson
- Track 6: Deformable Shape Retrieval with Missing Parts
Organizers: Emanuele Rodolà, Or Litany, Michael Bronstein
- Track 7: Retrieval of relief patterns
Organizers: Silvia Biasotti, Andrea Giachetti

12.30 – 13.45 **Lunch**

13.45 – 15.45 **Paper Session II**

- 3D Mesh Unfolding via Semidefinite Programming
Juncheng Liu, Zhouhui Lian and Jianguo Xiao
- Directed Curvature Histograms for Robotic Grasping
Rodrigo Schulz, Pablo Guerrero and Benjamin Bustos
- Semantic correspondence across 3D models for example-based modeling
Vincent Léon, Vincent Itier, Nicolas Bonneel, Guillaume Lavoué and Jean-Philippe Vandeborre
- Towards Recognizing of 3D Models Using A Single Image
Hatem Rashwan, Sylvie Chambon, Geraldine Morin, Pierre Gurdjos and Vincent Charvillat

15.45 - 16.00 **3DOR 2018 planning + workshop closing**

17.00 Eurographics Opening Ceremony (at Cité Internationale Convention Center)