

3DOR 2015 PROGRAMME

Day 1 (May 2, 2015)

09.00 - 09.15 **Opening**

09.15 - 10.15 **Keynote 1** : Linking Image and Shape Collections, by **Niloy MITRA** (UCL, UK)

10.15 - 10.45 Coffee break

10.45 - 12.15 **Paper Session I**

- Automatic 3D Object Fracturing for Evaluation of Partial Retrieval and Object Restoration Tasks - Benchmark and Application to 3D Cultural Heritage Data
R. Gregor, D. Bauer, I. Sipiran, P. Perakis and T. Schreck
- Randomized Sub-Volume Partitioning for Part-Based 3D Model Retrieval
T. Furuya, S. Kurabe, and R. Ohbuchi
- Partial 3D Object Retrieval combining Local Shape Descriptors with Global Fisher Vectors
M. Savelonas, I. Pratikakis and K. Sfikas

12.15 - 13.00 **Poster Fast Forward**

- ThOR: Three-dimensional Object Retrieval Library
Pedro B. Pascoal and Alfredo Ferreira
- Towards Scientific Benchmarks: On Increasing the Credibility of Benchmarks
Odd Erik Gundersen
- Bag of Compact HKS-based Feature Descriptors
H. EINaghy and S. Hamad
- Computing Local Binary Patterns on Mesh Manifolds for 3D Texture Retrieval
Naoufel Werghi, Claudio Tortorici, Stefano Berretti and Alberto Del Bimbo
- RETRIEVAL^{3D}: An On-line Content-Based Retrieval Performance Evaluation Tool
A. Koutsoudis, G. Ioannakis, I. Pratikakis and Ch. Chamzas

13.00 - 14.30 Lunch

14.30 - 16.00 **Paper Session II**

- Accelerating the computation of canonical forms for 3D nonrigid objects using Multidimensional Scaling
G. Shamai, M. Zibulevsky and R. Kimmel
- Sketch-based 3D Object Retrieval Using Two Views and a Visual Part Alignment Matching Method
Z. Yasseen, A. Verroust-Blondet and A. Nasri

- o 3D Object Retrieval with Parametric Templates
Roman Getto and Dieter W. Fellner

16.00 - 17.00 **Coffee break with poster discussion**

17.00 - 18.00 **SHREC Session I**

Track 1 : Canonical Forms for Non-Rigid 3D Shape Retrieval

D. Pickup, X. Sun, P.L. Rosin, R.R. Martin, Z. Cheng, S. Nie, L. Jin

Track 2: Non-rigid 3D Shape Retrieval

Z. Lian, J. Zhang, S. Choi, H. ElNaghy, J. El-Sana, T. Furuya, A. Giachetti, R.A. Guler, L. Lai, C. Li, H. Li, F.A. Limberger, R. Martin, R.U. Nakanishi, A.P. Neto, L.G. Nonato, R. Ohbuchi, K. Pevzner, D. Pickup, P. Rosin, A. Sharf, L. Sun, X. Sun, S. Tari, G. Unal, R.C. Wilson

Track 3: Scalability of Non-Rigid 3D Shape Retrieval

I. Sipiran, B. Bustos, T. Schreck, A. M. Bronstein, S. Choi, L. Lai, H. Li, R. Litman, L. Sun

20.00 Social Dinner

Day 2 (May 3, 2015)

09.00 - 10.00 **Keynote 2** : XML3D: Declarative and Semantic 3D Scenes Descriptions as Part of HTML5 and Within a Web-based Service Infrastructure by **Philipp SLUSALLEK** (DFKI, Germany)

10:00 – 11:20 **SHREC Session II**

Track 4: 3D Object Retrieval with Multimodal Views

Y. Gao, A. Liu, W. Nie, Y. Su, Q. Dai, F. Chen, Y. Chen, Y. Cheng, S. Dong, X. Duan, J. Fu, Z. Gao, H. Guo, X. Guo, K. Huang, R. Ji, Y. Jiang, H. Li, H. Lu, J. Song, J. Sun, T. Tan, J. Wang, H. Yin, C. Zhang, G. Zhang, Y. Zhang, C. Zhao, X. Zhao and G. Zhu

Track 5: Retrieval of Non-rigid (textured) Shapes using Low Quality 3D Models

A. Giachetti, F. Farina, F. Fornasa, A. Tatsuma, C. Sanada, M. Aono, S. Biasotti, A. Cerri, S. Choi

Track 6: Retrieval of Objects Captured with Kinect One Camera

P.B. Pascoal, P. Proença, F. Gaspar, M. Sales Dias, F. Teixeira, A. Ferreira, V. Seib, N. Link, Dietrich, A. Tatsuma, M. Aono

Track 7: Range Scans based 3D Shape Retrieval

A. Godil, H. Dutagaci, B. Bustos, S. Choi, S. Dong, T. Furuya, H. Li, N. Link, A. Moriyama, R. Meruane, R. Ohbuchi, D. Paulus, T. Schreck, V. Seib, I. Sipiran, H. Yin, C. Zhang

11:20 – 11:50 Coffee Break

11.50 - 13.50 **Paper Session III**

- Morphological analysis of 3D faces for weight gain assessment
D.Giorgi, M. A. Pascali, G. Raccichini, S. Colantonio and O. Salvetti
- A Spatio-Temporal Descriptor for Dynamic 3D Facial Expression Retrieval and Recognition
Danelakis, T. Theoharis and I. Pratikakis
- 3D GrabCut: Interactive Foreground Extraction for Reconstructed 3D Scenes
Gregory P. Meyer and Minh N. Do
- Indoor Location Retrieval using Shape Matching of KinectFusion Scans to Large-Scale Indoor Point Clouds
A. Al-Nuaimi, M. Piccolrovazzi, S. Gedikli, E. Steinbach and G. Schroth

13.50 - 15.00 Lunch

15.00 - 16.20 **EU Project Presentations**

- **PRESIOUS** – Predictive digitization, restoration and degradation assessment (<http://www.presious.eu/>),
T. Theoharis, I. Pratikakis, G. Papaioannou, T. Schreck, D. Rieke-Zapp, A. Andreadis, F. Arnaoutoglou, A. Koutsoudis, R. Gregor, P. Mavridis, P. Perakis, M. Savelonas, C. Schellewald, K. Sfikas, I. Sipiran, P. Theologou, K. Vardis
- **SEMEOTICONS** - SEMEiotic Oriented Technology for Individual's CardioMetabolic risk self-assessment and Self-monitoring (<http://www.semeoticons.eu/>)
S. Colantonio, M. D'Acunto, D. Giorgi, M.A. Pascali, G. Raccichini, O. Salvetti, G. Coppini, M.A. Morales, F. Charugi, B. Matuszewski, L.L. Randeberg, T. Strömberg

- Change detection in the domain of geospatial data modelling: case studies in the **IQmulus** project (<http://iqmulus.eu/>)
A. Cerri, S. Biasotti, D. Sobrero, S. Pittaluga, G. Patanè, M. Spagnuolo

- Virtual Visualization Services in **VISIONAIR**: searching and retrieving resources linked to visual shapes (<http://www.infra-visionair.eu/>)
F. Giannini, M. Attene, M. Monti, A. Cerri, S. Biasotti, B. Falcidieno, M. Spagnuolo

16.20 - 16.50 Coffee break with EU project Posters/Demos + Networking

16.50 - 17.20 **Academic-Industrial Round Table Discussion**

17.20 - 17.30 **3DOR 2016 planning + workshop closing**