CFP: Extended CVIU Journal Submission based on SHREC’14 Tracks:

A Comparison of 3D Shape Retrieval Methods Based on a Unified Benchmark Supporting Multimodal Queries

We would like to call for your participation in a journal submission based on the datasets and results in the following SHREC’14 Comprehensive and Sketch tracks as well as contributions from your state-of-the-art Query-By-Sketch and Query-By-Model algorithms.

Comprehensive track: http://www.itl.nist.gov/iad/vug/sharp/contest/2014/Generic3D/
Sketch tack: http://www.itl.nist.gov/iad/vug/sharp/contest/2014/SBR/

The arrangements for the topic, contents and time pipeline for the journal submission are as follows. You need to prepare the running results and your method description(s) accordingly.

Highlights:
1) A unified benchmark which supports both Query-By-Sketch and Query-By-Model 3D retrieval
2) A comparative evaluation of state-of-the-art 3D shape retrieval algorithms using either 3D model or 2D sketch queries

Contends:
1) Benchmark containing 171 classes of sketches and models: a latest largest comprehensive benchmark for both types of retrieval techniques;
2) Benchmark motivations and considerations, building process and findings;
3) Extended performance metrics and their different meaning and comparison with their standard versions in evaluation;
4) Evaluation toolkits;
5) Build a website/homepage to list, update latest runs based on the benchmark;
6) Example state-of-the-art performances: improve method presentation, ask for the running time information from comprehensive track participants;
7) Compare the performance on sketch queries and model queries and analysis;
8) Identify future research directions.

Dates:
1) CFP: April 20, 2014 (for SHREC participants)
2) CFP: April 30, 2014 (for promising contributions from new groups)
3) Revised methods’ descriptions and results: May 15, 2014 (for SHREC participants)
4) 1st draft paper: May 25, 2014 (based on SHREC results)
5) 1st round review by organizers: May 26~Jun 10, 2014
6) New methods’ descriptions and results: Jun 10, 2014 (for new methods or new groups)
7) 2nd round review by all authors: Jun 15 ~Jun 29, 2014
8) Paper submission: Jun 30, 2014

Selected Journal: Computer Vision and Image Understanding (CVIU) (based on participants’ votes)

We would like to warmly invite you to participate in the journal paper submission. Please send an email to B_L58@txstate.edu (Bo Li) to confirm your involvement as soon as possible (latest by May 10). Please also see the attached instructions about the submission.

Organizers: Bo Li, Yijuan Lu (Texas State University), Chunyuan Li, Afzal Godil(NIST), Tobias Schreck (University of Konstanz)