CALL FOR PARTICIPATION

SHREC'12 - 3D Shape Retrieval Contest 2012
at
EUROGRAPHICS 2012 - Workshop on 3D Object Retrieval

Introduction

The general objective of the 3D Shape Retrieval Contest is to evaluate the effectiveness of 3D-shape retrieval algorithms. SHREC'12 is the seventh edition of the contest. Like previous years, it is organized in conjunction with the Eurographics Workshop on 3D Object Retrieval, where the evaluation results will be presented and printed in the corresponding workshop proceedings published by the Eurographics Book Series.

Thanks to the effort of previous track organizers, SHREC already provides many resources to compare and evaluate 3D retrieval methods. For this year's contest, we aim at new and updated tracks. Therefore, the participants are requested to have an active role in the organization of the event. This includes proposing track themes, building or acquiring a test collection, and deciding upon the queries, relevance assessment, and performance measures.

The participants of each track will collectively write a paper, which will be published in the **proceedings** of the Eurographics Workshop 3D Object Retrieval. At least one author per track must register for the workshop, and present the results.

Tracks

The following tracks are organized. For a description of the task, the collections, queries, evaluation, procedures, and time schedule, follow the links or contact the track coordinator.

- **3D Mesh Segmentation**
  Organizers: Guillaume Lavoué (LIRIS/INSA Lyon), Jean-Philippe Vandeborre (LIFL, TELECOM Lille1), Halim Benhabiles (Le2i, Université de Bourgogne)
  Contact: liste-shrec12-segmentation"at"telecom-lille1.eu and Guillaume Lavoue glavoue"at"liris.cnrs.fr
  Web page: http://www-rech.telecom-lille1.eu/shrec2012-segmentation/

- **Stability on Abstract Shapes**
  Organizers: Silvia Biasotti and Michela Spagnuolo (CNR-IMATI)
  Contact: silvia.biasotti"at"ge.imati.cnr.it
  Info: Register for the track by sending an email to both Silvia Biasotti (silvia.biasotti"at"ge.imati.cnr.it) and Michela Spagnuolo (michela.spagnuolo"at"ge.imati.cnr.it) with the subject "Registration for SHREC12: Stability on ";
  Web page:

- **Sketch-based 3D Shape Retrieval**
  Organizers: Bo Li, Afzal Godil (NIST), Tobias Schreck (University of Konstanz)
  Contact: shrec"at"nist.gov
  Web page: http://www.itl.nist.gov/iad/vug/sharp/contest/2012/SBR

- **Generic 3D Model Retrieval**
  Organizers: Bo Li, Afzal Godil (National Institute of Standards and Technology)
  Contact: shrec"at"nist.gov
  Web page: http://www.itl.nist.gov/iad/vug/sharp/contest/2012/Generic3D

  See http://www.aimatshape.net/event/SHREC/ for examples of organizational aspects of previous tracks.

Procedure
The following list is a step-by-step description of the activities:
1) Potential track organizers send their proposal to shrec2012@nist.gov and godil@nist.gov, describing the envisioned task, collection, queries, ground truth, evaluation method, and expected number of participants.
2) Promising tracks and their organizers are listed at the SHREC web page, the track organizers start working out the details.
3) Participants register to the tracks they want to participate in.
4) Each track is performed according to its own schedule.
5) The track organizers collect the results.
6) The track results are combined into a joint paper, to be included in the proceedings of the Eurographics Workshop on 3D Object Retrieval, http://eg3dor2012.ist.utl.pt/
7) The description of the tracks and their results are presented at the Eurographics Workshop on 3D Object Retrieval (May 13, 2012), http://eg3dor2012.ist.utl.pt/

Time Schedule
January 20, 2012
  - Submission deadline for track proposals
January 22, 2012
  - Notification of acceptance of track proposals
Jan, Feb, 2012
  - Each track has its own time line
February 20, 2012
  - Each track is finished, and results are ready for inclusion in a
    track report
February 26, 2012
  - Camera ready track papers submitted for printing
May 13, 2012
  - EUROGRAPHICS Workshop on 3D Object Retrieval, including SHREC'12

The individual tracks will have their own time schedule for registration of participants, release of queries or submission of executables, and submission of results, etc.

Organizations
For information about the contest, the results, etc. see the SHREC home page http://www.aimatshape.net/event/SHREC/. The results of SHREC'12 are presented at the Eurographics Workshop on 3D Object Retrieval, see http://eg3dor2012.ist.utl.pt/.

The SHREC organizers are Remco Veltkamp, Afzal Godil and Michael Bronstein, to contact the organizers, send a message to shrec2012@nist.gov and godil@nist.gov.