STAVROS TSOGKAS

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RESEARCH INTERESTS Computer vision (shape analysis, semantic segmentation, object detection), deep learning.

EMPLOYMENT

University of Toronto Oct. 2016 - present
Postdoctoral researcher

CentraleSupélec Jan. 2016 - Aug. 2016
Research engineer (CVN lab)

EDUCATION

CentraleSupélec Jan. 2016
PhD on Computer Vision
Thesis: Mid-level Representations for Modeling Objects
Advisor: Iasonas Kokkinos

National Technical University of Athens Sep. 2011
Diploma in Electrical and Computing Engineering
Thesis: Learning-Based Symmetry Detection in Natural Images
Advisors: Petros Maragos, Iasonas Kokkinos

INTERNSHIPS Research intern at Oxford University (Visual Geometry Group) Aug.-Nov. 2014
Project: Semantic segmentation of object parts.
Supervisor: Andrea Vedaldi.

PUBLICATIONS

- AMAT: Medial Axis Transform for Natural Images, *(under submission)*
  S. Tsogkas, S. Dickinson
- Prior-based Coregistration and Cosegmentation, *MICCAI 2016*
  M. Shakeri*, **E. Ferrante***, S. Tsogkas, S. Lippe, S. Kadoury, I. Kokkinos, N. Paragios (* denotes equal contribution)
- Subcortical Brain Structure Segmentation Using FCNNs, *ISBI 2016* **(oral)**
  M. Shakeri*, **S. Tsogkas***, E. Ferrante, S. Lippe, S. Kadoury, N. Paragios, I. Kokkinos (* denotes equal contribution)
- Accurate Human-Limb Segmentation in RGB-D images for Intelligent Mobility Assistance Robots
  ICCV 2015 3^{rd} Workshop on Assistive Computer Vision and Robotics
  S. Chandra, **S. Tsogkas**, I. Kokkinos
- Semantic Part Segmentation with Deep Learning, *arXiv report*
  S. Tsogkas, I. Kokkinos, G. Papandreou, A. Vedaldi
- Deformable Part Models with CNN Features,
  ECCV 2014 Parts and Attributes workshop
  P.-A. Savalle, **S. Tsogkas**, G. Papandreou and I. Kokkinos
- Superpixel-grounded Deformable Part Models, *CVPR 2014*
  E. Trulls, **S. Tsogkas**, I. Kokkinos, A. Sanfeliu, F.Moreno

- Understanding Objects in Detail with Fine-grained Attributes, *CVPR 2014*
  A. Vedaldi, S. Mahendran, **S. Tsogkas**, S. Maji, B. Girshick, J. Kannala, E. Rahtu, I. Kokkinos, M. B. Blaschko, D. Weiss, B. Taskar, K. Simonyan, N. Saphra, S. Mohamed
- Learning-Based Symmetry Detection in Natural Images, *ECCV 2012*
  S. Tsogkas, I. Kokkinos

SKILLS MATLAB, C/C++, Lua, Latex, Caffe, MatConvNet, Torch.

TEACHING Teaching assistant in "Computer Vision" and "Signal Processing" ECP, 2011-2012
(taught by Iasonas Kokkinos)

PROFESSIONAL SERVICE

- Reviewer for: TPAMI, CVIU, IMAVIS, ICCV, CVPR, ICVGIP.
- Co-organizer of the "Detecting Symmetry in the Wild" workshop, in conjunction with ICCV 2017, Venice, Italy.

DISTINCTIONS Outstanding reviewer award (ECCV 2016)

IEEE

Treasurer, IEEE NTUA Student Branch	2010-2011
Chairman, IEEE NTUA Student Branch	2011-2012
IEEE Student member	2012-2015

LANGUAGES English (fluent), French (proficient), Greek (native).

INTERESTS Piano, bass guitar, poker, board games, travelling.