

Call for paper  
CVPR 2017 workshop on  
DeepVision: Temporal Deep Learning (TDL)

The computer vision community over the past few years has been dominated by deep learning based techniques. These techniques have, however, been mostly focused on still images, although many new publicly available data and high impact applications benefit from video recordings. Videos contain valuable temporal information that can be exploited to achieve better performance. Exploiting temporal information is of great importance in computer vision applications, like object tracking and recognition, scene analysis and understanding, etc. Deep learning based techniques are challenged to employ temporal information in such applications. Although some advances have been performed in this direction, mainly involving 3D convolutions, motion-based input features, or deep temporal- based models such as RNN-LSTM, significant advances are expected to be performed in this field. Papers on **deep learning** techniques utilizing **temporal** information on any of the following topics can be covered by the workshop:

TDL object recognition

TDL object tracking

TDL scene analysis

TDL shape analysis

TDL crowd analysis

TDL human body motion analysis

TDL facial analysis systems

New TDL models

New applications of TDL

The submitted papers are limited to eight pages, including figures and tables, in the CVPR style. Additional pages containing only cited references are allowed. CVPR guidelines and templates given in the following page should be used:

[http://cvpr2017.thecvf.com/submission/main\\_conference/author\\_guidelines](http://cvpr2017.thecvf.com/submission/main_conference/author_guidelines)

The accepted papers will be presented as posters at deep vision workshop and will be published in CVPR proceedings.

Important dates:

Submission deadline: March 10

Decision to authors: April 5

Camera ready: April 8

Organizing committee:

Kamal Nasrollahi (primary contact regarding paper submission: kn@create.aau.dk), Jose Alvarez Lopez, Sergio Escalera, Nathan Silberman, Ajmal Mian, Dhruv Batra, Gholamreza Anbarjafari, Yann LeCun, and Thomas B. Moeslund