

**Paper Title: AN ENCODER-DECODER NETWORK WITH MULTI-SCALE PULLING
FOR LOCAL CHANGE DETECTION**

Reviewer: 0C5B

We are grateful to the reviewer for his rigorous review on our paper. We appreciate the reviewer's views. Based on these comments, we have carefully revised the paper to enhance its quality and will submit the final manuscript.

Comment1: The manuscript would greatly benefit from careful proofreading (perhaps with a help of a native speaking colleague), as there are quite a number of grammar errors around.

Reply: As suggested by the reviewer we have tried to improve the language of the revised manuscript. We also proofread the manuscript using a native English reader for enhancing the quality of the manuscript with corrections in grammatical errors and typos.

Comment2: The number of visual examples (in the qualitative analysis) is rather limited and could be expanded.

Reply: Due to page constraints, in our manuscript, the visual analysis of the proposed algorithm is carried out on five challenging sequences of the CDNet-2014 dataset. Here in Fig. 1, we provide other challenging sequence results obtained by the proposed and state-of-the-art schemes.

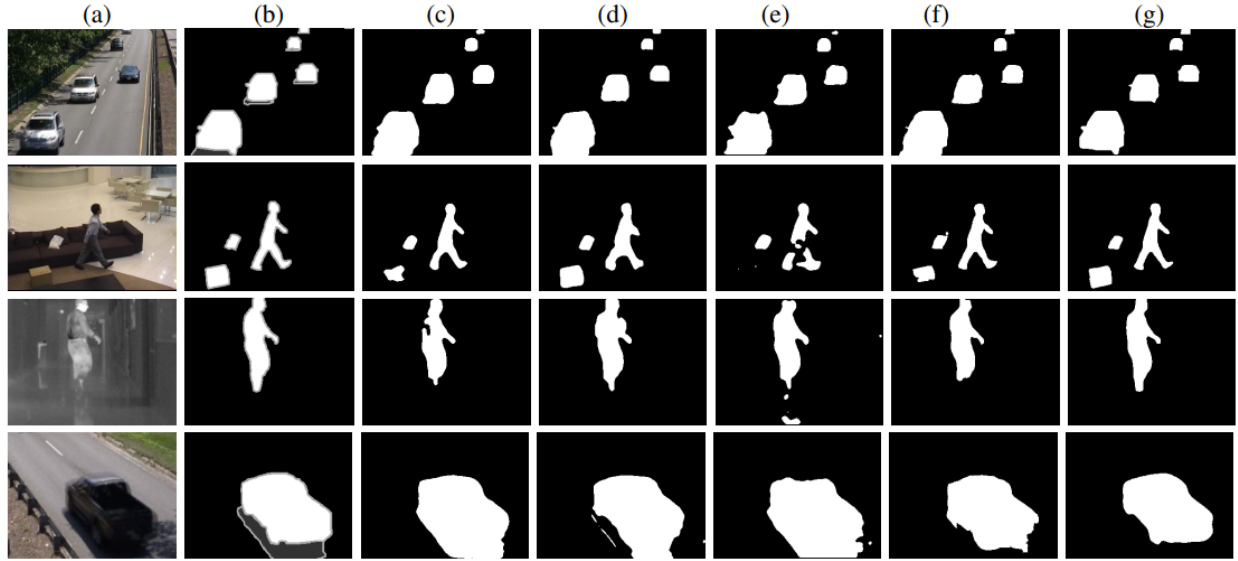


Fig. 1: Visual Results: (a) original frame (b) ground-truth, results obtained by (c) DeepBS, (d) BSPVGAN, (e) WisenetMD, (f) BSUVNet2.0, and (g) MFP (Proposed).

Commen3: The authors did not report any non-functional capabilities of the investigated algorithms (especially their training/inference times).

Reply: As suggested by the reviewer, in Table 1, we have reported the training and testing time of the proposed algorithm on the CDNet-2014 database for the image size of 240 x 320, 480 x 720, and 576 x 720.

Table1: Computational time for the proposed scheme on CDNet-2014 database

Database	Framesize	Training time (per epoch) in seconds	Testing time in seconds
CDNet-2014	240 x 320	22	0.04
	480 x 720	91	0.17
	576 x 720	109	0.21

Comment4: It would be great if the authors could make their implementation publicly available – it would help other research groups seamlessly reproduce the experimentation.

Reply: As suggested by the reviewer, we will make our implementation publicly available so that it would help other research communities.

Comment5: Please make sure that each acronym is defined exactly once at its first use (also, I suggest moving the acronyms from the abstract to the main body of the manuscript, as they negatively affect the read).

Reply: As suggested by the reviewer, we have thoroughly revised the manuscript and removed the repetition.