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Hugues Talbot Editor in Chief Universite Paris-Saclay, France

Dear Editors in Chief,

I am writing to submit our manuscript titled "Image Restoration by Learning Morphological Opening-Closing Network" for consideration of publication in Mathematical Morphology Theory and Applications. We have developed an Opening-Closing Network consisting of alternating sequence of basic morphological operation. Given a data we have learned the structuring elements of the network. Efficacy of the proposed network is established by applying it to two interesting image restoration problems, namely de-raining and de-hazing. We believe, this network is a general framework which can be applied to any image restoration tasks.

The following are the of authors the manuscript

- o Ranjan Mondal, Indian Statistical Institute, Kolkata
- o Moni Shankar Dey, Indian Institute of Technology, Bombay
- o Bhabatosh Chanda, Indian Statistical Institute, Kolkata

This manuscript has not been previously published in any language anywhere and is not under consideration by any other journal. All of the authors have approved the contents of this paper and have agreed to the submission policies.

Thank you very much for your consideration.

Yours Sincerely

Ranjan Mondal