
[IAAA'2026] Review for paper #1571264765 completed

From Edas Help <help@edas.info>

Date Thu 4/23/2026 4:29 PM

To Nguyen The Loc <nguyentheloc@humg.edu.vn>

Dear Dr. The-Loc Nguyen,

Thank you for completing the review of the paper #1571264765 ("SEM Image Restoration via an Extended Real-ESRGAN Framework") for IAAA'2026. Below is a copy of your review.

You can modify the report by going to <https://edas.info/R.php?r=14101252> up to the due date of Apr 25.

Best regards,

The conference chairs

> *** Novelty and originality: Rate the novelty and originality of the ideas or results presented in the paper.

Significant original work and novel results. (4)

> *** Technical content and scientific rigour: Rate the technical content of the paper (e.g.: completeness of the analysis or simulation study, thoroughness of the treatise, accuracy of the models, etc.), its soundness and scientific rigour.

Solid work of notable importance. (4)

> *** Quality of presentation: Rate the paper organization, the clearness of text and figures, the completeness and accuracy of references.

Well written. (4)

> *** Relevance and timeliness: Rate the importance and timeliness of the topic addressed in the paper within its area of research.

Good (4)

> *** Strong aspects: Comments to the author: what are the strong aspects of the paper

- The removal of the Sinc filter from the degradation process is a thoughtful adjustment, as it eliminates non-physical ringing artifacts that do not occur in native SEM imaging.

- The model shows consistent and significant improvements in NIQE scores across all tested categories, particularly in the "Tips" and "Fibres" subsets.

> *** Weak aspects: Comments to the author: what are the weak aspects of the paper?

- The evaluation could be strengthened by including additional metrics or a qualitative blind study by SEM experts to validate the scientific integrity of the restored textures.
- The high-resolution (HR) ground-truth dataset is relatively small (700 images before augmentation)

> *** Recommended changes: Recommended changes. Please indicate any changes that should be made to the paper if accepted.

- Resolve all unresolved LaTeX cross-references before camera-ready submission. For example, "Figure ?? " appears in Section 4.4, citation placeholder "[?,17]" in Introduction
- If possible, include a small-scale comparison using traditional metrics (PSNR/SSIM) on a synthetic test set where ground truth is known to complement the NIQE results.

> *** Comments to the TPC: Confidential comments to the TPC (will be not sent to Authors)

The paper is technically sound and the results are convincing.

> *** Submission Policy: Does the paper list the same author(s), title and abstract (minor wording differences in the abstract are ok) in its PDF file and EDAS registration?

Yes. Authors, title, and abstract in the PDF are consistent with the EDAS registration (minor formatting differences in the abstract only).

> *** Overall Recommendation: Overall Recommendation
Accepted (1)