DECLARATION OF NATHANIEL E FRANK-WHITE

1. I am a Records Request Processor at the Internet Archive. I make this declaration of my own personal knowledge.

2. The Internet Archive is a website that provides access to a digital library of Internet sites and other cultural artifacts in digital form. Like a paper library, we provide free access to researchers, historians, scholars, and the general public. The Internet Archive has partnered with and receives support from various institutions, including the Library of Congress.

3. The Internet Archive has created a service known as the Wayback Machine. The Wayback Machine makes it possible to browse more than 450 billion pages stored in the Internet Archive's web archive. Visitors to the Wayback Machine can search archives by URL (i.e., a website address). If archived records for a URL are available, the visitor will be presented with a display of available dates. The visitor may select one of those dates, and begin browsing an archived version of the Web. Links on archived files in the Wayback Machine point to other archived files (whether HTML pages or other file types), if any are found for the URL indicated by a given link. For instance, the Wayback Machine is designed such that when a visitor clicks on a hyperlink on an archived page that points to another URL, the visitor will be served the archived file found for the hyperlink's URL with the closest available date to the initial file containing the hyperlink.

4. The archived data made viewable and browseable by the Wayback Machine is obtained by use of web archiving software that automatically stores copies of files available via the Internet, each file preserved as it existed at a particular point in time.

5. The Internet Archive assigns a URL on its site to the archived files in the format http://web.archive.org/web/[Year in yyyy][Month in mm][Day in dd][Time code in hh:mm:ss]/[Archived URL] aka an "extended URL". Thus, the extended URL http://web.archive.org/web/19970126045828/http://www.archive.org/ would be the URL for the record of the Internet Archive home page HTML file (http://www.archive.org/) archived on January 26, 1997 at 4:58 a.m. and 28 seconds (1997/01/26 at 04:58:28). The date indicated by an extended URL applies to a preserved instance of a file for a given URL, but not necessarily to any other files linked therein. Thus, in the case of a page constituted by a primary HTML file and other separate files (e.g., files with images, audio, multimedia, design elements, or other embedded content) linked within that primary HTML file, the primary HTML file and the other files will each have their own respective extended URLs and may not have been archived on the same dates.

6. Attached hereto as Exhibit A are true and accurate copies of browser screenshots of the Internet Archive's records of the archived files for the URLs and the dates specified in the attached coversheet of each printout.

INTERNET ARCHIVE
archive.org

7. I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

DATE: April 3, 2024

Nathaniel E Frank-White

Nathaniel E Frank-White

EXHIBIT A

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To replace an article

You can replace a publicly announced article by selecting the Replace ( ) icon for the article you want to replace on your user page.

Note that if your article or replacement has not yet been publicly announced you may select the Unsubmit ( ) icon next to the submission on your user page to return it to the incomplete status allowing modification and later resubmission via the Update (update icon) icon.

Considerations for replacing articles

- It is not possible to make changes without generating a new version.
- Indicate the nature of the changes.
- Same day replacements do not generate a new date/version stamp.
- Previous versions of your article will remain publicly available.
- Revisions after version 5 are not listed in the daily mailings.

It is not possible to make changes without generating a new version

Why? To allow authors to make changes to the comments and other metadata fields of publicly announced articles without generating a new version, and hence date stamp, would effectively mean that all changes would be backdated to the time the last version was submitted. This is open to abuse and thus not allowed.

The exceptions to this rule are the addition of journal reference and DOI information. The journal reference field may contain only full publication information for the article; the DOI field may contain only a DOI.

Indicate the nature of the changes

Readers like to know why an article has been replaced. Often, changes are of a minor nature, but if the author does not indicate this then readers will generally assume the worst. Therefore, you should give some reason for the replacement. This should appear in the `Comments:` field of the new submission.

Some typical reasons for replacing an article:

- Added references.
- Corrected typos.
- Revised argument in section 3, results unchanged.

Example comments upon replacement:

- `Comments: 32 pages harvmac; added references for section 5`
- `Comments: 8 pages, LaTeX; typos added, references removed`

Remember to merge your original comments with the new ones. If you do not, then the old comments will be lost. For instance, in the examples above, the TeX related comments and page counts were copied from the previous versions of the comments, since they are still valid and useful.

Same day edits do not generate a new version stamp.

Edits made during the same day before 16:00 US Eastern time (EDT/EST) Monday to Friday will not generate a new version stamp in the archives and will not delay announcement.

Edits made during the same day after 16:00 US Eastern time (EDT/EST) but before public announcement will not generate a new version stamp in the archives but **will delay announcement**.

You may wish to check current local time at the main site. Note that for these purposes Friday 16:00 to Monday 16:00 is considered "one day". This allows you to immediately check your article and correct any trivial mistakes, especially mistakes in the title/abstract itself, without a "penalty". **Check your submissions!**

Previous versions of your article will remain publicly available.

arXiv provides public access to all previous versions of submitted articles. See the discussion on availability of previous versions.

Revisions after version 5 are not listed in the daily mailings

This policy is to avoid unnecessary noise in the email announcements.

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1. **arXiv:1706.02631 [pdf, other]**
   Generative Autotransporters
   Jiqing Wu, Zhiwu Huang, Wen Li, Luc Van Gool
   Comments: *First two authors made equal contributions. Submitted to NIPS on May 19, 2017
   Subjects: **Computer Vision and Pattern Recognition (cs.CV)**; Machine Learning (stat.ML)

2. **arXiv:1705.09368 [pdf, other]**
   Pose Guided Person Image Generation
   Liqian Ma, Xu Jia, Qianru Sun, Bernt Schiele, Tinne Tuytelaars, Luc Van Gool
   Comments: Xu Jia and Qianru Sun contribute equally to this work
   Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

3. **arXiv:1705.05640 [pdf, other]**
   WebVision Challenge: Visual Learning and Understanding With Web Data
   Wen Li, Limin Wang, Wei Li, Eirikur Agustsson, Jesse Berent, Abhinav Gupta, Rahul Sukthankar, Luc Van Gool
   Comments: project page: this http URL
   Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

4. **arXiv:1705.02953 [pdf, other]**
   Temporal Segment Networks for Action Recognition in Videos
   Limin Wang, Yuanjun Xiong, Zhe Wang, Yu Qiao, Dahua Lin, Xiaoou Tang, Luc Van Gool
   Comments: 14 pages. An extension of submission at this https URL
   Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

5. **arXiv:1705.00581 [pdf, other]**
   Query-adaptive Video Summarization via Quality-aware Relevance Estimation
   Arun Balajee Vasudevan, Michael Gygli, Anna Volokitin, Luc Van Gool
   Comments: Submitted to ACM Multimedia 2017
   Subjects: **Computer Vision and Pattern Recognition (cs.CV)**; Computation and Language (cs.CL); Multimedia (cs.MM)

6. **arXiv:1705.00464 [pdf, other]**
   Speech-Based Visual Question Answering
   Ted Zhang, Dengxin Dai, Tinne Tuytelaars, Marie-Francine Moens, Luc Van Gool
   Comments: In review
   Subjects: **Computation and Language (cs.CL)**; Computer Vision and Pattern Recognition (cs.CV)

7. **arXiv:1704.02470 [pdf, other]**
   DSLR-Quality Photos on Mobile Devices with Deep Convolutional Networks
   Andrey Ignatov, Nikolay Kobyshev, Kenneth Vanhoey, Radu Timofte, Luc Van Gool
   Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

8. **arXiv:1704.01926 [pdf, other]**
   Semantically-Guided Video Object Segmentation
   Sergi Caelles, Yuhua Chen, Jordi Pont-Tuset, Luc Van Gool
   Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

9. **arXiv:1704.01372 [pdf, other]**
   On the Relation between Color Image Denoising and Classification
   Jiqing Wu, Radu Timofte, Zhiwu Huang, Luc Van Gool
   Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

10. **arXiv:1704.00675 [pdf, other]**
    The 2017 DAVIS Challenge on Video Object Segmentation
    Jordi Pont-Tuset, Federico Perazzi, Sergi Caelles, Pablo Arbeláez, Alex Sorkine-Hornung, Luc Van Gool
    Comments: Challenge website: this http URL
    Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

11. **arXiv:1704.00648 [pdf, other]**
    Soft-to-Hard Vector Quantization for End-to-End Learning Compressible Representations
    Eirikur Agustsson, Fabian Mentzer, Michael Tschannen, Lukas Cavigelli, Radu Timofte, Luca Benini, Luc Van Gool
    Subjects: **Learning (cs.LG)**; Computer Vision and Pattern Recognition (cs.CV)

12. **arXiv:1703.10898 [pdf, other]**
Thin-Slicing Network: A Deep Structured Model for Pose Estimation in Videos
Jie Song, Limin Wang, Luc Van Gool, Otmar Hilliges
Comments: Preliminary version to appear in CVPR2017
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

13. **arXiv:1703.08836 [pdf, other]**
Learned multi-patch similarity
Wilfried Hartmann, Silvano Galliani, Michal Havlena, Konrad Schindler, Luc Van Gool
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**; Learning (cs.LG)

14. **arXiv:1703.03329 [pdf, other]**
UntrimmedNets for Weakly Supervised Action Recognition and Detection
Limin Wang, Yuanjun Xiong, Dahua Lin, Luc Van Gool
Comments: camera-ready version to appear in CVPR2017
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

15. **arXiv:1703.02437 [pdf, other]**
PathTrack: Fast Trajectory Annotation with Path Supervision
Santiago Manen, Michael Gygli, Dengxin Dai, Luc Van Gool
Comments: 10 pages, ICCV submission
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**; Learning (cs.LG); Multimedia (cs.MM)

16. **arXiv:1702.08160 [pdf, other]**
HashBox: Hash Hierarchical Segmentation exploiting Bounding Box Object Detection
Joachim Curto, Irene Zarza, Alexander J. Smola, Luc Van Gool
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

17. **arXiv:1702.08159 [pdf, other]**
F2F: A Library For Fast Kernel Expansions
Joachim Curto, Irene Zarza, Feng Yang, Alexander J. Smola, Luc Van Gool
Subjects: **Learning (cs.LG)**

18. **arXiv:1702.03431 [pdf, other]**
Crossing Nets: Dual Generative Models with a Shared Latent Space for Hand Pose Estimation
Chengde Wan, Thomas Probst, Luc Van Gool, Angela Yao
Comments: 10 pages, 5 figures
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

19. **arXiv:1701.04658 [pdf, other]**
Convolutional Oriented Boundaries: From Image Segmentation to High-Level Tasks
Kevis-Kokitsi Maninis, Jordi Pont-Tuset, Pablo Arbeláez, Luc Van Gool
Comments: Accepted by T-PAMI. Extended version of "Convolutional Oriented Boundaries", ECCV 2016 (arXiv:1608.02755). Project page: this http URL
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

20. **arXiv:1701.00599 [pdf, other]**
AENet: Learning Deep Audio Features for Video Analysis
Naoya Takahashi, Michael Gygli, Luc Van Gool
Comments: 12 pages, 9 figures. arXiv admin note: text overlap with arXiv:1604.07160
Subjects: **Multimedia (cs.MM)**; Computer Vision and Pattern Recognition (cs.CV); Sound (cs.SD)

21. **arXiv:1612.07899 [pdf, other]**
DARN: a Deep Adversial Residual Network for Intrinsic Image Decomposition
Louis Lettry, Kenneth Vanhoey, Luc Van Gool
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

22. **arXiv:1612.05877 [pdf, other]**
Deep Learning on Lie Groups for Skeleton-based Action Recognition
Zhiwu Huang, Chengde Wan, Thomas Probst, Luc Van Gool
Comments: Accepted to CVPR 2017
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

23. **arXiv:1611.09325 [pdf, other]**
Natural Illumination from Multiple Materials Using Deep Learning
Stamatios Georgoulis, Konstantinos Rematas, Tobias Ritschel, Mario Fritz, Tinne Tuytelaars, Luc Van Gool
Comments: Project: this http URL
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

24. **arXiv:1611.08258 [pdf, other]**
Weakly Supervised Cascaded Convolutional Networks
Ali Diba, Vivek Sharma, Ali Pazandeh, Hamed Pirsiavash, Luc Van Gool
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

25. **arXiv:1611.06678 [pdf, other]**
Deep Temporal Linear Encoding Networks
Ali Diba, Vivek Sharma, Luc Van Gool
Comments: Ali Diba and Vivek Sharma contributed equally to this work and listed in alphabetical order
Subjects: **Computer Vision and Pattern Recognition (cs.CV)**

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To submit an article

Everyone who submits should read the following general information:

- We accept submissions only from registered authors.
- Submitters must grant arXiv.org a non-exclusive and irrevocable license to distribute or certify that the work is available under another license that conveys these rights.
- Formats for text submission
- Formats for figures
- File names and case sensitivity
- Inclusion of data sets and ancillary files (data, programs, etc.)
- Title/Abstract preparation
- Check your submission and read messages
- Edit or replace your article if necessary
- Take responsibility
- Special instructions for third party submission and index submissions for conference proceedings

Please note that we do not accept submissions with omitted figures, tables or sections. We also do not accept "abstract only" submissions. Such submissions are unhelpful to readers and of very limited archival value.

- To submit an article, use the Submit form or select "START NEW SUBMISSION" from your user page.

The availability of new submissions is explained below, in the section on availability of submissions and announcement order (**policy change 2017-01**). Note further that all official versions of submitted articles are made publicly available. See the discussion of submission version availability.

Formats for text of submission

Your submission to the archive must be in one of the following formats (listed in order of preference):

- (La)TeX, AMS(La)TeX, PDFLaTeX
- PDF
- PostScript
- HTML with JPEG/PNG/GIF images

Our goal is to store articles in formats which are highly portable and stable over time. Currently, the best choice is TeX/LaTeX, because this open format does not hide information. Note that for this and other reasons we will not accept dvi, PS, or PDF created from TeX/LaTeX source. Users of word processors such as Microsoft Word should save their documents as PDF and submit that. Note also that we will not accept scanned documents, regardless of format.

Formats for figures

Figures for a submission can be in a number of common formats. These include:

- PostScript (PS/EPS, most common for line drawings, plots, etc.)
- JPEG (ideal for photographic images)
- GIF or PNG (best for non-photographic images, bitmaps)
- PDF figures (only with PDFLaTeX)

If figure files are too large, then readers with poor network connections will not be able to download them. Remember that arXiv has many users with poor network connections (such as users in some developing nations). If your submission has a large figure, be sure to include it, but make all possible efforts to reduce its size. Note that we do not accept submissions with omitted figures, even if you provide a link to another server. See our information on submission sizes and our bitmapping help for more information. If you have problems with a large submission, contact arXiv administrators.

If you submit figures with your (La)TeX source, use standard macro packages (e.g., the `graphics` and `graphicx` packages) so that the figures will appear in the document. Unfortunately, arXiv administration cannot provide help with TeX-related issues, so seek help from your colleagues if necessary.

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arXiv will accept only the following characters in file names:

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File names and extensions are also case sensitive on our system. The file names `Figure1.PDF` and `figure1.pdf` are not the same. Whether your local system is case sensitive (e.g. Unix) or not (e.g. Windows) you must ensure that internal file references such as LaTeX figure inclusion commands match case exactly.

Inclusion of data sets and ancillary files

There are limited facilities for including data sets and ancillary files (data, programs, etc.) which are associated with articles submitted to arXiv. See separate instructions about including data sets and ancillary files.

Title/Abstract preparation

See separate instructions on the preparation of separate title/abstract information. This information is used on the abstract pages, in announcements, in RSS feeds, and to support searching

searching.

Check your submission and read messages

Before you make the final "Submit Article" step in the submission process be sure to check carefully both the title/abstract (metadata) and the processed files. If you see any errors or are unhappy with the formatting then correct them or contact arXiv administrators if there are problems you cannot resolve.

If discover an error after submission but before public announcement then select the Unsubmit ( ) icon next to the submission on your user page to return it to the incomplete status allowing modification and later resubmission. Unsubmitting an article takes the article out of the processing queue and announcement will be scheduled based on the later resubmission time.

In general, each day's submissions before 14:00 US Eastern Time (EDT/EST) Monday through Friday are not made available to the general public until 20:00 US Eastern Time (EDT/EST) Sunday through Thursday. See the discussion of availability.

Edit or replace your article if necessary

Edits before an article is publicly announced will not generate additional versions. The date stamp associated with the submission will be the time that the final "Submit Article" step is completed. Edits and final submission before 14:00 US Eastern Time (EDT/EST) Monday through Friday will not delay announcement. You may wish to check current local time at main site.

We encourage authors to update and to make corrections in their articles. **DO NOT** make a new submission for a corrected article or for an erratum. Rather replace the original submission.

Take responsibility

Because putting articles on arXiv entails certain responsibilities, authors must make their own submissions. Third-party submissions (by secretaries for example) are often the ones that cause the most problems, presumably due to lack of self-interest and related factors.

The following information is also required for submission:

- Institutional affiliation for the author(s) must be provided.
- Official report number(s) from the author(s) institution(s) must be provided.

Availability of submissions and announcement order

Note: policy change 2017-01 regarding announcement order and the effect of edits.

Submissions to arXiv are normally made public on Sunday through Thursday, with no announcements Friday or Saturday. Check the current time at the arXiv main site, with the amount of time remaining before the "freeze".

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Wednesday 14:00 - Thursday 14:00	Thursday 20:00	Thursday Night / Friday Morning
Thursday 14:00 - Friday 14:00	Sunday 20:00	Sunday Night / Monday Morning
Friday 14:00 - Monday 14:00	Monday 20:00	Monday Night / Tuesday Morning