

## INSTRUCTION TO SUBMIT ALGORITHM VIA EMAIL

**We encourage you to submit your algorithm via BEAT platform. However if you are unable to submit via BEAT platform you can send your algorithm to us via email for evaluation.**

1. Please zip your trained algorithm in a folder. Name of the folder should be your Full name.
2. Upload the file to a cloud storage. Share the downloadable link with us via email-

**datasets@livdet.org**

Please share specific details to download your file if it is encrypted or requires specific knowledge.

**Each algorithm should have the following parameters:**

***LIVENESS [inputfile] [outputfile]***

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LIVENESS is the executable name.

**Format:** Windows, Linux, Mac OS

***[inputfile]***

Text file with the list of images to analyze. Each image will be in the same format as the training samples to be shared as part of LivDet 2020

***[outputfile]***

- Txt file with the output of each processed image with a “return” between each output, in the same order of input file.
- There will be one output file for each input file.
- The output is an integer value representing a posterior probability of the live class given the image or a degree of “liveness” normalized in the range 0 and 100 (100 is the maximum degree of liveness, 0 means that the image is fake).
- In the case that the algorithm has not been able to process the image, the correspondent output must be -1000 (failure to enroll).
- Each user can configure his algorithm by the training set available after registration.
- Windows, Linux and Mac OS console applications with the above characteristics will be accepted for the competition.
- Participants may also choose to publish a description and/or source code of their algorithm, but this is not mandatory.

**If you are unable to submit an executable, we will accept Python (v. 3.7) and MATLAB (2019a or above) codes.**

**If you have any queries regarding algorithm submission, please feel free to reach out at [prd@clarkson.edu](mailto:prd@clarkson.edu)**