

IPOL - SUBMISSION PROCESS

Nicolas Limare — MISS meeting
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IPOL

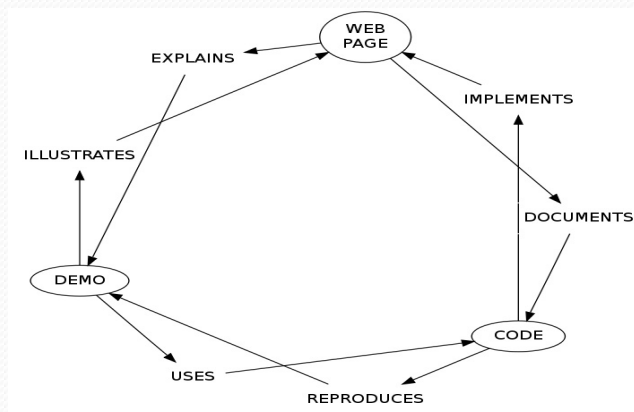
IPOL (Image Processing On Line) is

an online environment
for image processing

scientific journal
+ code repository
+ educational resource
+ collective workshop

<http://www.ipol.im/>

content



content

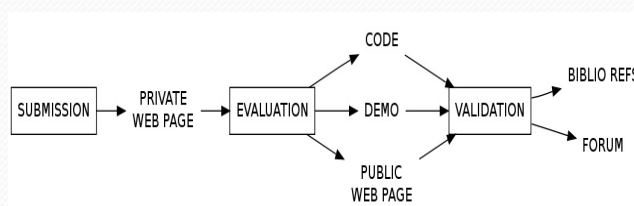
more content

+demo archive
+forum
+bibliographic meta-data

3 steps

last refinement of the process:

- submission
- evaluation
- validation



submission

submission

via an [online form](#)

- **identifier** can't be changed, a-z0-9_
- **short description** 1 sentence, 10~20 words
- **authors** name, email, web, etc.
- **copyright/license** selected option

copyright/license

web text/images

- © IPOL + credit to authors
- open license with a obligation to cite using standardized meta-data (CC-BY-NC-SA + BibTeX/DOI)

code : 3 option

- 1: © IPOL attribution + references to authors
- 2: *or* © IPOL and authors (draft agreement)
- 3: *or* © authors with an allowed license

web edition

edition interface : <https://edit.ipol.im/>

- login/password identification
- internal online documentation
- simplified wiki syntax, possible (partial) conversion from LaTeX
- structure-oriented, not visual-oriented, the layout depends on the browser
- the web page is not public during the first step

content

- precise and exhaustive algorithmic description
- mathematical description + references to articles/preprints
- commented examples

+ for the demo

- short description of the demo: intended interaction and visualization

/!\ privacy

do not use a picture of a person without their agreement

- even if you found it online
- easy solution : photograph yourself
- you can blur/hide the faces
- or we have special agreement (paper) forms

/!\ image copyright

only publish online images with permissions

- your personal images,
- *or* images without copyright or an expired copyright,
- *or* with a permission of the author

default rule: the author holds all the use rights

do not reuse data from an article without checking

free images

<http://search.creativecommons.org/>

- check "*right to modify*"
- keep the URL for reference

"standard" images:

see <http://sipi.usc.edu/database/> (not always free)

evaluation

evaluation

anonymous referees examine

- scientific and practical interest of the proposed works
- feasibility of the demo

after approval

- the web page becomes public, in the "*workshops*" category
- the authors must provide an implementation within 3 months

implementation

the code must be correct, neutral, documented and full

- **correct** : normalized C/C++, compilation `-Wall -Wextra -Werror`
- **neutral** : no specific extensions, 32/64bits, standard and portables libraries `libtiff`, `libpng`, `libfftw3`, `clapack`, `zlib` (...)
- **documented** : 1/8 ratio, detail everything not obvious, link math description and implementation, `README.txt` for compilation and usage
- **full** : the source code must produce an executable command-line program

code structure

to help review and reusability:

- split the code components in different files: `main()`, input/output, pre/post processing, visualization, and a separate file dedicated to the algorithm only
- provide front-end functions to call the algorithm, with documentation and examples

IPOL will gradually propose some reusable components for auxiliary tasks like input/output

implementation authors

- each source code file has the author(s) information, for traceability
- the source code authors may not be co-authors of the IPOL publication
- the authors of non-trivial recycled source code parts must be properly cited

demo

full specification of the demo

- **all** the required tools
- **all** their options
- **everything** displayed by the demo

a demo can involve multiple web pages and/or multiple programs; the only exchange medium between programs or between successive pages is data files

complex demo

validation

validation

non anonymous referees check

- by intelligent testing, that the results and examples provided by the authors are correct and faithful
- by a careful examination of the source code, that it exactly implements the algorithm

this examination only covers the main algorithm of the source code

post-validation

- the page is locked
- the page is in the "*published*" category
- bibliographic meta-data are added
- a forum is added, with the referee reports

...

...

END OF THE PROCESS

questions?

