











IPOL Journal - Image Processing On Line <a href="https://www.ipol.im">www.ipol.im</a>



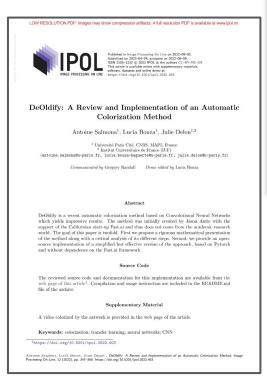
# **IPOL MLBriefs 3 31/05 — 01/06**

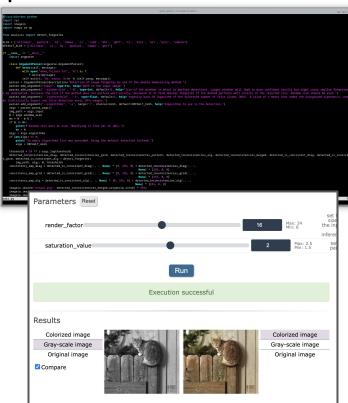
Day 1

Publication to IPOL/MLBriefs

How, why?

# What is an IPOL publication?







## What is an IPOL publication?

- The code to a method, written or not by you
- An online demo using this code, so people can try it with their own data
- An article to accompany the method
  - Not a traditional conference/journal article that describes a novel method and establish it best in some way, with mainly quantitative experiments on benchmark datasets
  - A more or less extensive description of the method (depending on the track)
  - Mainly qualitative experiments to highlight the strengths and shortcomings of the method and the impact of the different parameters, if any
  - The method does not have to beat the SOTA to be published: honest review
  - The method does not have to be new and unpublished
- An archive that populates with everyone's experiments

### IPOL or MLBriefs tracks

MLBriefs track	IPOL track
Typically short paper (about 5 single-column pages)	More extensive paper
Relatively brief description of the method (Mainly qualitative) experiments to highlight the strengths and flaws of the method and the impact of the different parameters.	The method is fully described in pseudo-code, which corresponds to the code (same functions). If any learning, it is fully described, ideally retrained by the authors.  Experiments remain, they can be more expansive.
Same method as the original.	Improvements on the method can be proposed
The code can be in any language.	Python, C, C++, Matlab/octave (possible exceptions)
The article and demo are peer-reviewed. The code is <b>not</b> peer-reviewed.	The article, demo and code are peer-reviewed.  Guarantee of reproducibility: The code corresponds exactly to the pseudocode.
Ideal on methods that are not yours: easy to prepare without delving into the code	Ideal for your own works or methods you studied and understand very well: the pseudo-code is then easy to write

### Why should I submit to IPOL/MLBriefs?

- For your own methods:
  - The online demo and article increase the visibility of your method
  - Easily show your methods to partners and clients, they can try it on their own data
  - o IPOL articles act as a proof that your code does exactly what the article says it does
- For other methods:
  - You have to study and experiment with state-of-the-art methods for your own research
  - ⇒ IPOL/MLBriefs articles reward you with a publication for work you have to do anyways

In both cases, IPOL and MLBriefs reward and enable sharing work you have to do anyways but generally goes unpublished

## Preparations: Understand the article and code

- Is the code under an open-source license? If not, are you at least allowed to use it online?
  - IPOL track: you need to be able to redistribute the code, normally under an open-source license. This is not a strict requirement in the MLBriefs track (but is still preferred)
  - If no licence are provided: ask the authors for authorization
- Understand how to run the code, how it is compiled (if relevant)
- Prepare the following information:
  - ☐ Language, package requirements and versions
  - What are the inputs?
  - Which parameters do you want to expose to the user? Which possible/reasonable values? Expose them to the command-line call of the code

Timetable

### **TODAY**

- Morning
  - A short introduction to IPOL/MLBriefs.
  - Authors present their intended works
  - Tutorial: How to create an IPOL demo?
    - Authors who already know how to create a demo can start working in the workshop rooms
    - Instructions are the same as for MLBriefs 2 (GitHub, control panel, nextcloud, ...)
- Lunch: 13:00, 1E29
- Afternoon
  - Authors work on their demo in the workshop rooms
  - Coffee break at 16:00, delivered directly to the working spaces

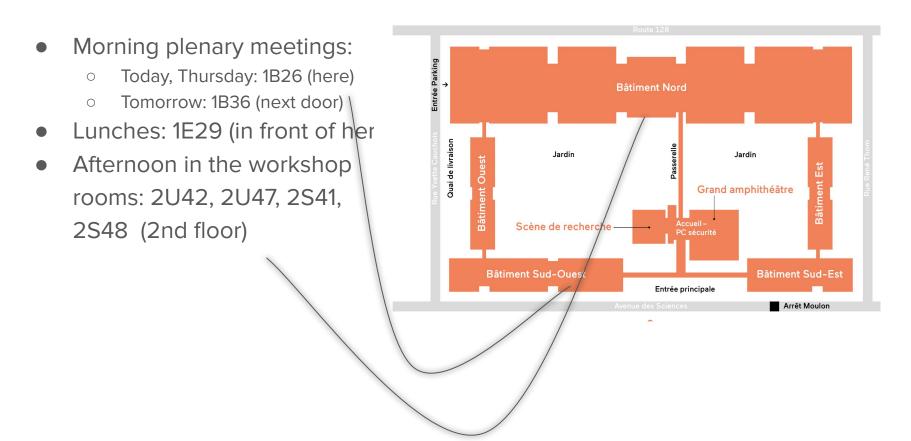
### **Tomorrow**

- Morning: Presentation by invited speakers
  - Pascal Monasse
  - François Role
  - Pablo Musé
  - Mercedes Marzoa Tanco
- Lunch: 12:00, 1E29
- Afternoon
  - Authors work on their demo in the workshop rooms
  - Coffee break at 15:30, delivered directly to the working spaces

## Thursday, 1st June

- Progress report by each author/group
  - Quick reminder of the initial objective
  - Is the demo working yet?
  - Difficulties encountered. Have solutions been found? If so, which?
  - Feedbacks on the workshop and on IPOL
  - About 3 minutes each
- Lunch: 13:00, 1E29
- Afternoon
  - Authors work on their demo in the workshop rooms
  - Coffee break at 15:30, delivered directly to the working spaces

### Where?



# Join the workshop slack!

https://join.slack.com/t/mlbriefsworkshop/shared\_invite/zt-1w3jo4e8l-zSBR3OXyKfL 4YvtGHjzDtA

