

METHO

Méthodes de travail pour la recherche en réseaux

Master 2ème année, spécialité “Réseaux”

Université Pierre et Marie Curie

2013

- Sébastien Tixeuil
 - Professor at UPMC
 - Email: `sebastien.tixeuil@lip6.fr`
- Marcelo Dias de Amorim
 - Researcher at CNRS
 - Email: `marcelo.amorim@lip6.fr`
- Renata Teixeira
 - Researcher at INRIA
 - Email: `renata.teixeira@lip6.fr`

- If (message) then sendto(sebastien & marcelo & renata)
 - Independently of the request
- Requirement → Subject: [METHO]
- Webpage
 - <http://www-npa.lip6.fr/~tixeuil/m2r>
 - Then "METHO"

Objectives of this course

- Understand what scientific research is
- Identify the main activities of a researcher
- Exercise some common practices (don't forget, you want to be a researcher)
- Exchange

Why this course?

- Result of an observation over the latest years
- Lots of goodwill, little practice...
- Integration in a global context
- Heterogeneous group of students
- Resource optimization
 - 1 group discussion vs. N individual discussions
- Practice what you will have to do later
 - Believe us, you will save some time

- We have been teaching this course for some time...
- Self-assessment
 - We could improve and better adapt to the students' needs
 - You will suffer less during your Ph.D.
 - Continuous improvements (feedbacks appreciated)
 - Works well for the students that **really want** to succeed

- 7 × 4 hours
 - Very very dense agenda...
 - Lots of homeworks and one final project
- Schedule
 - **Monday/Wednesday morning group:** 8:30 a.m. → 12:45 p.m.
 - **Wednesday afternoon group:** 1:30 p.m. → 5:45 p.m.

- All courses are **exclusively in English**
- Listen, practice, participate, work at home
- This course will require a lot of effort
 - You will have to work hard (really)!
- Your presence is mandatory!

- Class 1: Introduction (Marcelo/Sébastien)
 - Class 1.1: Presentation of the course
 - Class 1.2: Introduction to scientific research
- Class 2: Critical reading (Renata)
- Class 3: Writing (Renata)
- Class 4: Evaluation methodology (Sébastien)
- Class 5: Presentation techniques (Marcelo)
- Class 6: Internship proposals and project milestone (Sébastien)
- Class 7: Project presentations (Marcelo/Sébastien)

General organization of a class

- Discussion on homework of previous class
- Techniques on a particular topic (e.g., critical reading, writing)
- Practice in classroom
- Discussion
- Homework statement for the following class

Evaluation

Detailed in the following slides

- Homeworks (H)
- Participation and presence in class (C)
- Project (P)
- **Final grade:** $G = 0.4 \times H + 0.25 \times C + 0.35 \times P$
 - Note that homeworks count a lot!

- At the end of each class, one (or more) homework is assigned
- The deadline is the Wednesday of the following week, 11 p.m. (strict deadline!)
 - E.g., for the first homework, the deadline is September 25, 11:00 p.m.
- Out of five homeworks, one will be graded
 - You do not know which one...
 - ... which means that you have to do all of them!
- No homework = zero!
- How to submit your homework?
 - Through HotCRP on the METHO webpage
- Template on the webpage (respect the page limit!)

lip6.fr https://tibre.lip6.fr/hotcrp/metho-1/ Google

Homework 1 Sign in

Welcome to the Your Conference I (Homework 1) submissions site. Sign in to submit or review papers. For general information about Homework 1, see the [conference site](#).

Email

Password

Sign me in

I forgot my password, email it to me

I'm a new user and want to create an account using this email address

Conference information
[Deadlines](#)
[Program committee](#)
[Conference site](#)

Submissions: *The [deadline](#) for registering new papers has passed.*

HotCRP Conference Management Software

New paper

You can't register new papers since the [deadline](#) has passed. The deadline was Wednesday 28 Sep 2011 11:00:00pm CEST. As an administrator, you can override this deadline using the "Override deadlines" checkbox.

TITLE**PDF FILE** (max size 15MB)

Upload:

AUTHORS ([More](#) | [Fewer](#))

List the paper's authors one per line, including their email addresses and affiliations. Any author with an account on this site can edit the paper.

	Name	Email	Affiliation
1.	<input type="text"/>	<input type="text"/>	<input type="text"/>
2.	<input type="text"/>	<input type="text"/>	<input type="text"/>
3.	<input type="text"/>	<input type="text"/>	<input type="text"/>
4.	<input type="text"/>	<input type="text"/>	<input type="text"/>
5.	<input type="text"/>	<input type="text"/>	<input type="text"/>

CONTACT

You will be able to add more contacts after you register the paper.

ABSTRACT**PC CONFLICTS**

Select the PC members who have conflicts of interest with this paper. This includes past advisors and students, people with the same affiliation, and any recent (~2 years) coauthors and collaborators.

- Marcelo Dias de Amorim
UPMC Sorbonne Universités
- Sebastien Tixeuil
UPMC Sorbonne Universités

- Email authors, including:
- Override deadlines

- Student selects the subject (individual work)
 - We will see how later
- Use all techniques learned to prepare the final project
 - The idea is to follow all steps and provide a scientific paper at the end
 - Defend the idea with a nice presentation
- Grade: Written document + presentation + quality of contribution

- Written document
 - 3 pages in PDF
 - Template available on the website
- Presentation during the 7th class
 - Duration will depend on the final number of students
 - The slides will be the homework after lecture 6
- Deadline for **both** paper and slides: **Wednesday, November 6, 11 p.m.**
 - HotCRP will be the guardian

- We will evaluate participation in class
- We will call students and explicitly ask for their participation
- Spontaneous participation also counts
- Discussion on homeworks are taken into account
- **All** students will have to participate!

It is time for your questions!