

# Master Informatique 2<sup>nd</sup> year Science Informatique / Computer Science (SIF)

<http://master.irisa.fr>

## Welcome presentation

2018-2019

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# Outline

- Generalities
- Curriculum organization and structure
- Planning of the year
- Internship selection
- Communication
- Procedures
- FAQ

# Overall objectives of the curriculum

- Methodological approach to research
- Trajectory towards starting a PhD thesis
- Integration within a research group

# Geographical localization

- Lannion: ENSSAT
- Rennes: ISTIC (& PNRB), INSA Rennes, ENS Rennes, ESIR, CentraleSupélec
- Vannes: UBS
- **Everyone is here today !**

# Contacts wrt. your affiliation

- Univ. Rennes: D. GROSS AMBLARD
- INSA Rennes: M. MARCHAL
- ENS Rennes: D. PICHARDIE
- CentraleSupélec: G. PIOLLE
- ESIR: F. LAMARCHE
- ENSSAT: F. GOASDOUE
- UBS: F. OQUENDO

# Generic contacts

- M2 SIF heads
  - David GROSS AMBLARD: 12D 268 orange level
  - Maud MARCHAL: 12E 108 orange level
  - One mail to rule them all: [m2r\\_resp@irisa.fr](mailto:m2r_resp@irisa.fr)
- Secretary
  - Isabelle BUREL : 12D 284 green level:  
[secr-m2-sif@univ-rennes1.fr](mailto:secr-m2-sif@univ-rennes1.fr)

# Curriculum organization

- 7 specific modules (« UE ») of 20 hours each (4 ECTS per module)
- 5 Common modules
  - Methodology (METH)
  - Professionalization (PROF)
  - Bibliographic study (BIBL, 6 ECTS)
  - Colloquium (COLQ, 2 ECTS)
  - 5-months internship (STAGE, 24 ECTS)

# Methodology (METH)

- Introduction to different **methodology tools**
  - Useful for all courses
  - Useful for your internship
- Planned on **this first week**, two parts:
  - Monday afternoon: **software tools** (C. Deltel, Inria Rennes)
  - Tuesday, Wednesday and Thursday: **Reproducibility of research** (A. Legrand, CNRS Grenoble)
- Remember: **bring your laptop!**



# Professionalization (PROF)

- CONF : Large panel of conferences
  - Attendance compulsory
  - Organization of research
    - Research in Europe
    - Competitiveness cluster *Media and Networks* (pôle de compétitivité Images et Réseaux)
  - Intellectual property
  - Scientific presentations, **doing a Ph.D.**, ...
- Friday afternoon, most of the time, visio- conference for Vannes and Lannion
- Program on the website
- **Reminder: turn on the visio for the other site, please** 😊

# Professionalization (PROF)

- Module RAS – writing of scientific publications
  - Lecture given in Rennes (20h)
  - Lannion and Vannes: visio-conference, apart from the last session in Rennes (program committee)
- Contents:
  - The role of writing papers in a researcher's activity
  - Why, when and how?
  - Some advices to write a paper
  - Evaluation by peers
  - How to evaluate a paper: criteria, advices
  - Deontological aspects: multiple publications, plagiarism, etc.
  - “Labs”: your first program committee !

# Bibliographic study (BIBL)

- A first attempt at writing a scientific article
- “State-of-the-art” paper related to the internship topic
- Reading of research papers from November
- Report to be produced end of January (15 pages maximum)
  - Remark: time-consuming activity; **don't wait the very last time**
- Guidance by your internship supervisor

# Bibliographic study (BIBL)

**don't wait the  
very last time**

# Colloquium (COLQ)

- A first attempt to presentation of scientific results, **in limited time**
- Presentation of the state-of-the art related to your internship topic (BIBL)
- 29-31, January

# Ethics: plagiarism

- Cite your sources in your presentation
- No plagiarism of other papers (even partial, even if you cite your sources)
- Plagiarism detection tools exist (and are used!)
- Your reports will be reviewed by experts
- Sanctions according to the French regulation (disciplinary board)
  - Exclusion from the university for up to 5 years
  - Definitive exclusion from the university
  - Exclusion from all universities

# Maths / CS

- Proposed for students in Rennes only
  - Thursday morning (tentative)
- For those that need to “refresh” / keep up with their mathematical / CS background
- Not mandatory, any topic
- Interactive (no formal lecture)
- Application: by mail [m2r\\_resp@irisa.fr](mailto:m2r_resp@irisa.fr) before the end of September
- Try it ! Use it ! 😊

# Evaluation

- For all modules:
  - A written exam
  - An other form: project, oral or an other written exam
- Access to your grades:
  - ENT: Numerical Work Environment (*environnement numérique de travail*)
  - <http://ent.univ-rennes1.fr>
- *Requires a SESAME (U. Rennes): dossier passager*
- For CentraleSupélec, take some more for friends
- *Warning : no global ranking (but ranking within a module, e.g. 2<sup>nd</sup> out of 16 students)*



# Planning of the year (1)

- 1st semester:
  - 1st week: METH + presentation of the research teams
  - Start of lectures: Monday, 17th of September
  - 1st month: selection of the internships and research groups
  - Lectures during all the 1st semester
  - Continuous evaluations
  - Bibliographic study BIBL (due at mid January).
  - 3 Rules : early, early & early

# Planning of the year (2)

- 2nd semester:
  - Internship: February 1st to June 30th
  - Colloquium: January 29-31
  - Curriculum evaluation meeting
  - Application to PhD thesis
  - Writing of master thesis document (around 40 pages; maximum of 50 pages): early June
  - Presentation of internship results (June 24-26)

# Module selection

- 7 modules have been assigned to you
  - If it is not the case, please contact us urgently!
- Your module form has to be signed (pedagogical contract / contract pédagogique)
  - Please sign it before **Thursday** at I. Burel's office
- **Please check again your modules and their compatibilities**

# Internship selection

- Presentation of some research groups and some internship topics **this week**
- List of internships on the website
- Visits to research groups / supervisors / topic proposition
- **Internship selection form due on October, 18th noon**
- Constraints w. r. t. research groups
  - Limited supervision capabilities + number of available PhD positions after the master, etc.
  - **advice: do not select 3 internships in the same group!**
- Possible arbitration in case of conflicts
- Regulation w.r.t. internship payment
  - Most interns will have a “gratification” (around 550€)

# IRISA research groups presentation in Jersey room

See updates on <http://www.irisa.fr>

# Communication: mailing lists

- Contact with students:
  - [m2r\\_etudiants@irisa.fr](mailto:m2r_etudiants@irisa.fr)
  - Provide today a valid *e-mail* address (+ mobile phone number and postal address)
  - Update (if required) your contact information when starting your internship
- Contact with persons in charge:
  - first your local contact !
  - then [m2r\\_resp@irisa.fr](mailto:m2r_resp@irisa.fr)
  - Please use this mailing list and NOT our individual e-mails

# Communication: mailing lists and photos

- For each module: automatic production of:
  - Photos of the concerned students
  - Emails of the concerned students
  - On a protected area of the web site (no SPAM) If you agree
- Advantage:
  - Mail sent to all the students of the module in case of schedule change

# Communication: website

- Address:
  - <http://master.irisa.fr>
- Lecture notes and other pedagogical data  
Evaluation procedure (“modalités de contrôle des connaissances”)
- Plannings (Rennes site only)
  - ADE software (requires a SESAME for now...)
  - Warning, ADE is a superset of the current courses (see your module specific webpage)



# SAVE (service d'aide à la vie étudiante)

- Handicap department
- Resource service for students with permanent or temporary disabilities
- Building 21
- Contact
  - [save@univ-rennes1.fr](mailto:save@univ-rennes1.fr)
  - 0223233629

# Administrative formalities

- Registration to university/school: by the end of October
- Registration as “passager” to the University of Rennes 1 for the students of the other institutions (to get access to ENT)
- Signature of your module selection form
- Internship selection (before October 18th, noon) + “convention de stage”
- Reminder: specific modules start on September, 17th

# FAQ

- **Is it possible to spend my internship period abroad ?**
  - Yes, provided that the research group is well-known
- **Is it possible to spend my internship period in a company ?**
  - No, ..., but
  - Except in a R&D department with well-identified research activities
  - Except if done within a research cooperation with the company
- **Am I allowed to follow lectures from another location ?**
  - Yes, if possible due to schedule constraints
- **I follow an engineer curriculum. Where should I register ?**
  - At your engineering school
- **More questions / answers ? website, local contact or [m2r\\_resp@irisa.fr](mailto:m2r_resp@irisa.fr)**

Welcome !

Picture time 😊