Master informatique 2ᵉ année
Parcours Science Informatique (SIF)

http://master.irisa.fr

Welcome presentation
2017-2018

Maud Marchal, David Gross-Amblard
m2r_resp@irisa.fr
Outline

- Generalities
- Curriculum organization and structure
- Planning of the year
- Selection of internship
- 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, INSA Rennes, ENS Rennes, ESIR, CentraleSupélec
- **Vannes**: UBS
Contacts

- Persons in charge
  - David Gross-Amblard: 12D 268 vert
  - Maud Marchal: 12E 108 orange
  - One email: m2r_resp@irisa.fr

- Secretary
  - Isabelle Burel: 12D 284 green
    secr-m2-info-rech@univ-rennes1.fr

- Local contacts in other sites
Contacts

- Local contacts for each site:
  - Univ. of Rennes 1: D. Gross-Amblard
  - INSA Rennes: M. Marchal
  - ENS Rennes: M. Quinson
  - CentraleSupélec: V. Viet Triem Tong
  - ESIR: F. Lamarche
  - ENSSAT: F. Goasdoué
  - UBS: F. Oquendo
Curriculum organization

- 7 modules ("UEs") of 20 hours each (4 ECTS per module)
- 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 the courses
  - Useful for your internship

- Planned on the 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
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
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)
- Early February
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

- For those that need to “refresh” their mathematical background
- Not mandatory
- Interactive (no formal lecture)
- Proposed for students
  - From universities
  - In Rennes only
  - Thursday morning (tentative)
- Application: mail m2r_resp@irisa.fr
Evaluation

For all the 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)
Planning of the year (1)

1st semester:
- 1st week: METH + presentation of the research teams
- Start of lectures: Monday, 18th of September
- 1st month: selection of the internships and research groups
- Lectures during all the semester
- Continuous evaluations
- Bibliographic study BIBL (due at the end of January)
Planning of the year (2)

- 2\textsuperscript{nd} semester:
  - Internship: February 1\textsuperscript{st} to June 30\textsuperscript{th}
  - Colloquium: January 31\textsuperscript{st} to February 2\textsuperscript{nd}
  - Curriculum evaluation meeting
  - Application to PhD theses
  - Writing of master thesis document (around 40 pages; maximum of 50 pages): early June
  - Presentation of internship results (late June)
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:
  - Please sign it on next Monday and Tuesday at I. Burel office
Internship selection

- Presentation of research groups and internship topics this week
- List of internships on the website
- Visits to research groups / supervisors
- Internship selection form due on October, 19th 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€)
# Research groups

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<tr>
<th>12-sept</th>
<th>16h00</th>
<th>Benoit Caillaud</th>
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<td>16h20</td>
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<td>Olivier Le Meur</td>
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<td>Eric Marchand</td>
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<td>Thomas Jensen</td>
<td>Equipe Celtique</td>
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<td>Alexandre Termier</td>
<td>Equipe Lacodam</td>
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<td>Sébastien Férré</td>
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<td>François Taiani</td>
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<td>Jacques Nicolas</td>
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<td>Isabelle Puault</td>
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<td>Stéphanie Delaune</td>
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<td>Nancy Bertin</td>
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<td>Anatole Lecuyer</td>
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<td>Jean-Marie Bonnin</td>
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<td>Blaise Genest</td>
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<td>Gilles Guette</td>
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<td>Marc Christie</td>
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Communication: mailing list

- Contact with students:
  - m2r_etudiants@irisa.fr
  - Provide 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:
  - 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: web site

- Address:
  
  http://master.irisa.fr/
  
  - Lecture notes and other pedagogical data
  - Evaluation procedure ("modalités de contrôle des connaissances")
  - Plannings (Rennes site only)
    - ADE software
SAVE (Service d’Aide à la Vie Etudiante)

- **Pôle Handicap**
- Service « Ressources » pour les étudiants en situation de handicap permanent ou temporaire.
- **Localisation** : Bât. 21
- **Correspondant pédagogique / Handicap** :
  - C. Brousseau christian.brousseau@univ-rennes1.fr
  - 02 23 23 62 31
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 19th, noon) + “convention de stage”
- Reminder: lectures start on September, 18th
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: web site or m2r_resp@irisa.fr**
Questions?