Master Informatique 2nd 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

• Secretary
  – Isabelle BUREL : 12D 284 green level:
    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
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
• 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 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*)

• Requires a SESAME (U. Rennes): dossier passager

• For CentraleSupelec, take some more for friends

• Warning: no global ranking (but ranking within a module, e.g. 2nd 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
  – 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
  – 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:

• 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
  – 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_respond@irisa.fr
Welcome!

Picture time 😊