The European Master’s Program in Computational Logic

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▶ EMCL
▶ Curriculum
▶ EMCL vs MCL
▶ Some Hints

"Logic is everywhere ..."
The European Master’s Program in Computational Logic (EMCL)

- EMCL is a distributed European Master’s Program
  - Free University of Bozen-Bolzano (FUB)
  - Technische Universität Dresden (TUD, coordinating institution)
  - Nova Universidade de Lisboa (UNL)
  - Technische Universität Wien (TUW)
  - National ICT Australia (NICTA)

- Joint MSc degree from the European universities at which a student has physically studied

- Supported by the European Union within the Erasmus Mundus Program since 2004
Curriculum – Mandatory Modules and Master Thesis

▶ Basic Modules (34 cr)
  ▶ Foundations (first semester, 9 cr, TUD)
  ▶ Logic and Constraint Programming (first semester, 9cr, TUD)
  ▶ Advanced Logic (second semester, 8cr, FUB)
  ▶ Integrated Logic Systems (second semester, 8 cr, FUB)

▶ Presentation and Communication Skills
  (second and third semester, 4cr any European university)

▶ Project (third semester, 16 cr, any European university and NICTA)

▶ Master Thesis (forth semester, 30 cr, any European university)
Curriculum – Advanced Modules

- Advanced Modules (12cr each; select at least three; first - third semester)
  - Constraints (UNL)
  - Computational Logic for Information Technology (TUW)
  - Computer Science Engineering (all European universities)
  - Knowledge Representation (all European universities)
  - Logical Foundations (TUW)
  - Logics and Languages for Software Reliability and Security (UNL)
  - Modelling and Verification (TUD, TUW)
  - Natural Language Processing and Automata (TUD)
  - Principles of Computation (FUB, TUW)
  - Principles of Data Management (FUB)
  - Principles of Inference (FUB)
  - Semantic Technologies (FUB)
  - Theoretical Computer Science and Logic (TUD)
Distribution

- First semester: TUD
- Second semester: FUB
- Third and forth semester: any European university (see EMCL booklet for details of the placement process)
- Project Work may be done at NICTA during the break between the second and third semester (see EMCL booklet for details of the procedure)
EMCL versus MCL

- The International Master’s Program in Computational Logic (MCL)
- Curriculum of MCL is identical to the curriculum of EMCL
  - All mandatory modules are offered by TUD
  - Only the advanced modules offered by TUD can be selected
  - The master thesis is offered by TUD
- MSc degree from TUD
Some General Hints

▶ Read the EMCL booklet carefully
▶ Check out the EMCL web pages carefully and regularly
▶ Check out the notice board on the wall outside of this lecture hall
▶ Check your emails (on all your accounts) regularly
▶ Our mailing lists contain your private addresses, please inform us about any changes
▶ Address questions concerning examinations, transcript of records, etc to the SCIS (Julia Koppenhagen) during the announced office hours
▶ Address questions concerning individual modules to the respective module representatives
▶ Address questions concerning individual lectures to the respective lecturers
▶ Address all other questions to Sylvia Wünsch
▶ Visa prolongation must be applied for on time
▶ Don’t enter an EU country without a valid visa
Some Hints for EMCL Students

▶ You must pay the reduced students service fee to TUD each semester while you study at one of our partner universities (this does not apply to EM scholarship holders)

▶ 2nd semester at FUB starts on 27 February 2012
   Welcome Session will be in the morning of 24 February 2012
   Recommended departure date: 23 February 2012

▶ The EMCL students workshop will be in Vienna in mid February 2012
Some More Specific Hints

► For Beginners

▶ Focus initially on the two mandatory basic modules
▶ If you can follow the lectures and the tutorials of the basic modules then add an advanced module
▶ At each university try to complete modules because modules are automatically accepted at all European universities
▶ Individual lectures are not automatically accepted at the European universities; you must negotiate with the module representatives

► For Second Year Students and Beyond

▶ Please see the coordinator personally during his consultation hours; bring an up to date transcript of records and your current plan of studies
▶ Projects are negotiated individually between students and supervisors; you must become active
Some Even More Specific Hints for Foreign Students

► We assume that you have come to Germany because you want to be exposed to Germans, a German university and German culture

▷ Avoid your fellow countrymen and -women; you can meet them when you are back home

▷ Make contact with Germans in the university, in the dormitories, in the city, etc and during your studies, during shopping, during sports, during leisure etc

▷ Learn the German language by speaking to Germans

    ▷ German language classes (free of charge)
    ▷ Mandatory entry test: 12 October 2011, 6:30pm, Audimax (Hörsaalzentrum)

▷ A German is likely to be as shy as you in approaching a foreigner; be brave; if you make contact it is likely to be an advantage for both of you
Finally

▶ Join us during the weekly open house
    (Wednesdays, 4:30 pm - 6 pm on the 2nd floor main hall)
▶ We plan an excursion to the Saxonian Switzerland in the second half of October
▶ Christmas Party: 7 December 2012
▶ You may contact the coordinator (Steffen Hölldobler) anytime
  ▶ Office phone number: +49 351 46 33 83 40
  ▶ E-Mail: sh@iccl.tu-dresden.de
  ▶ Mobile phone number: +49 151 27 02 36 23 (in case of emergency)
▶ In case you experience any problems whatsoever please contact us immediately; don’t wait;
  problems will usually not go away, we will just have less time to solve them