

# European Master's Program in Computational Logic

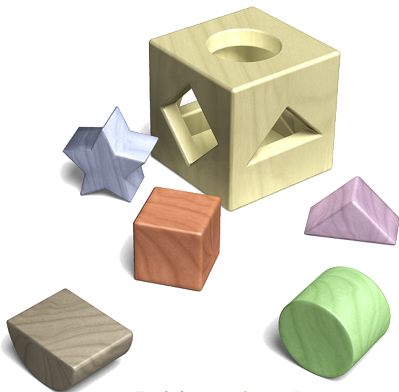
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- ▶ EMCL
- ▶ Curriculum
- ▶ EMCL vs MCL
- ▶ Some Hints



*"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 (TUD, UNL, TUW)**
  - ▷ **Logical Foundations (TUW)**
  - ▷ **Logics and Languages for Software Reliability and Security (UNL)**
  - ▷ **Modelling and Verification (TUW)**
  - ▷ **Ontology and Database Systems (FUB)**
  - ▷ **Principles of Computation (FUB, TUW)**
  - ▷ **Principles of Data Management (FUB)**
  - ▷ **Principles of Inference (TUD, TUW)**
  - ▷ **Semantic Technologies (FUB, UNL)**
  - ▷ **Theoretical Computer Science and Logic (TUD)**



## Distribution

- ▶ **First semester: TUD**
- ▶ **Second semester: FUB**
- ▶ **Third and fourth 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 (1)

- ▶ **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 regularly**
- ▶ **Our mailing lists contain your private addresses, please inform us about any changes**
- ▶ **All students must register each semester online at TUD, you will not receive the current students' identity card sent by mail without this registration**



## Some General Hints (2)

- ▶ **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 (1)

- ▶ 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)
- ▶ The EMCL students workshop will be in Vienna February 16-19, 2014
- ▶ 2nd semester at FUB will start on 21 February 2014
- ▶ EMCL students without Erasmus Mundus grant are recommended to apply for the LLP scholarship (amounting to about 220 EUR per month) for the second year to FUB until 15 March, see:  
[www.emcl-study.eu/fileadmin/emcl\\_booklet\\_tree/mss\\_support\\_llp\\_sc.html](http://www.emcl-study.eu/fileadmin/emcl_booklet_tree/mss_support_llp_sc.html)
- ▶ In order to carry out the enrollment at FUB you must provide a declaration of equivalent value (see: [www.study-in-italy.it/studying/info-07.html](http://www.study-in-italy.it/studying/info-07.html)). This document must be applied for in the countries where you have received the bachelor degree and submitted to FUB upon arrival.
- ▶ You will travel to Bozen-Bolzano with the valid German residence permit and a letter issued by TUD confirming the participation in the EMCL program. You must apply for the residence permit (permesso di soggiorno) in Bozen-Bolzano within the first 8 days after entering Italy. The FUB-International Relations Office supports students regarding this procedure.



## Some Hints for EMCL Students (2)

▶ **How to apply for the second year university?**

`www.emcl-study.eu/fileadmin/emcl_booklet_tree/msss_jc_placement_second.html`

▶ **How to apply for the project work at NICTA?** `www.emcl-study.eu/fileadmin/emcl_booklet_tree/mss_jc_projects_nicta.html`



## 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, during your studies, during shopping, during sports, during leisure etc**
  - ▷ **Learn the German language by speaking to Germans**
    - ▶▶ **German language classes as part of the Presentation and Communication Skills module (4 SWS / 2 cr)**
  - ▷ **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 (Mondays, 4:30 pm - 6 pm on the 2nd floor main hall, but not today)**
- ▶ **We plan an excursion to the Saxonian Switzerland**
- ▶ **Christmas Party: 16 December 2013**
- ▶ **Logic Exam: 21 December 2013**
- ▶ **You may contact the coordinator (Steffen Hölldobler) anytime**
  - ▷ **Office phone number: +49 351 46 33 83 40**
  - ▷ **E-Mail: [sh@iccl.tu-dresden.de](mailto:sh@iccl.tu-dresden.de)**
  - ▷ **Mobile phone number: +49 151 27 02 36 23 (SMS 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**

