

The European Master's Program in Computational Logic

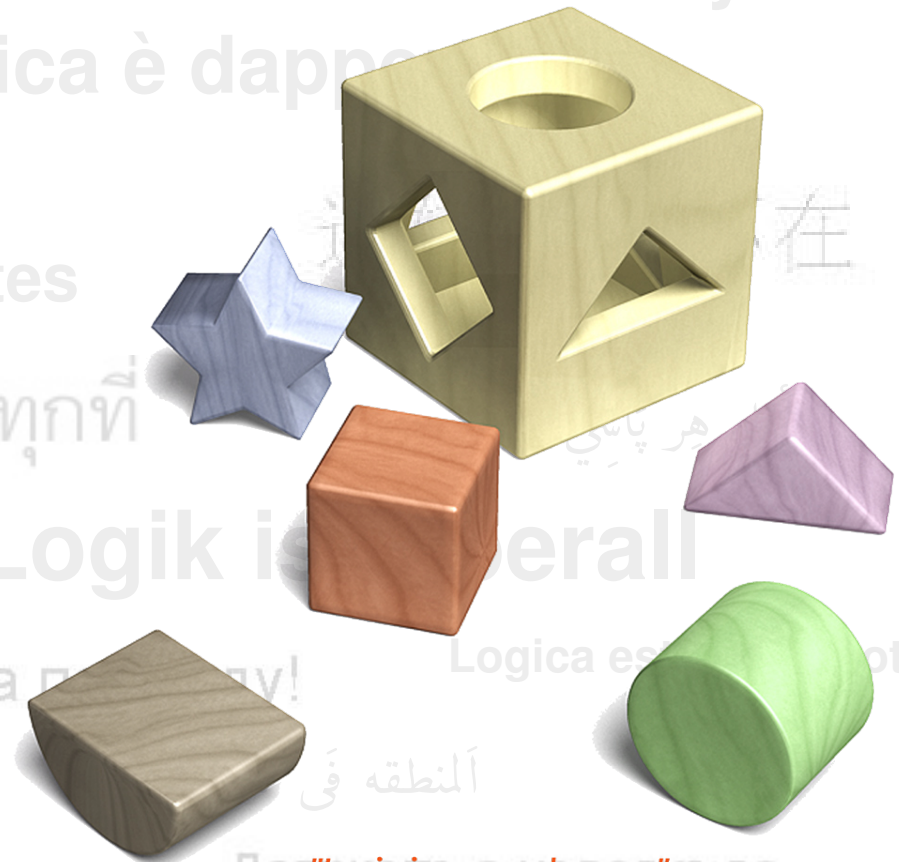
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Germany

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“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)**
 - ▷ **Inegrated 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 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

- ▶ 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

