

Title of partnership:

EMPCL: European Master's Program in Computational Logic – Australian Partnership

Masters Course running the Partnership:

European Masters Program in Computational Logic

Duration: 3 years

Summary description:

The 3-year partnership extends the European Master's Program in Computational Logic (EMCL) -- run by Free University of Bozen-Bolzano (FUB), Italy, Technische Universität Dresden (TUD, coordinating institution), Germany, Technische Universität Wien (TUW), Austria, Universidade Nova de Lisboa (UNL), Portugal and Universidad Politécnica de Madrid (UPM), Spain -- by a cooperation with the National ICT Australia (NICTA), one of the worldwide leading international Centres of Excellence in Information and Communications Technology (ICT).

EMCL is based on the principle of teaching through research. The main objective of the proposed partnership is in strengthening this principle by teaming up with NICTA. NICTA comprises the University of New South Wales and the Australian National University and focusses -- among others -- on formal methods, knowledge representation and reasoning, logic and computation, machine learning and software engineering, all of which are main areas in the EMCL. Thus, NICTA supplements the EMCL and the European partner institutions running the EMCL in an ideal way.

The partner universities of the EMCL have long-standing research collaboration with NICTA, the University of New South Wales and the Australian National University on a personal level, with frequent mutual visits over the last decade. Hence, the second objective of this partnership is in extending this collaboration on the education level by agreeing on common modules and exchanging students thus increasing the attractiveness of the EMCL program for EU-students as well as promoting EMCL in Australia.

The role of NICTA is to bring students close to the actual frontiers of research by making them participate in ongoing projects in Computational Logic. This way an initiation to research work (the so-called project in the curriculum of EMCL) is provided by NICTA. Every year 10 students and 3 scholars will visit NICTA up to 3 months. Their selection is based on research cooperation between the Members of the EMCL consortium and NICTA.

European Partners:

- 1) DE - Dresden University of Technology
- 2) IT - Free University of Bozen-Bolzano
- 3) AT – Vienna University of Technology
- 4) PT – New University of Lisbon
- 5) ES – Technical University of Madrid

Third-Countries Partner Institutions:

- 1) The National ICT Australia Limited (Australia)

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Grant

225.000 € (15.000 € partnership + 210.000 € scholarships)