

The Center for Logic and Computation at IST

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April 28, 2005

During the calendar year 2004, the Center for Logic and Computation (CLC) at the Instituto Superior Técnico has continued to grow and develop through its research and educational accomplishments in logic and theory of computation. The lively activities at CLC include publications, conferences, workshops, seminars, courses, and advising of students.

A very active research environment at CLC is organized in four main research themes: 1) abstract deductive systems, 2) probabilistic and quantum computation and information, 3) dynamical systems and computational complexity, and 4) type theory, constructive mathematics and mobile computation, as well as several research efforts that connect these main research themes. These themes are well chosen. They complement each other and represent areas of expertise of CLC members in which they are likely to continue to be productive. At the same time, the main research themes are novel enough so that work will be noted by the international community at large. In fact, this is already happening: the work at CLC includes successful and productive collaborations with Walter Carnielli (CLE, Campinas), David Basin and Luca Vigano (ETH, Zurich), and Dov Gabbay (King's College, London). Such international collaborations are an important aspect of the activities of the Center and they are a reflection of the international stature of CLC.