This special issue of *ACM Transactions on Computational Logic* is devoted to papers first presented at the 17th Annual Conference of the European Association for Computer Science Logic (CSL 2008), held September 16–19, 2008, in Bertinoro, near Bologna (Italy).

We selected a small number of papers presented at the conference, and invited the authors to submit extended and revised versions to this special issue. All submissions have undergone the standard refereeing process of this journal.

The seven papers of this issue are good representatives of the research in the area at the intersection of logic and computer science. They span from foundations of theorem proving and of model checking, to complexity of logical problems and its relation to programming languages, to λ-calculus and proof theory. They well reflect the vitality, the technical difficulty, the quality, and the broad range of computer science logic, both as a research field and as a specific conference.

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*Guest Editors and CSL 2008 PC Chairs*