Call for Papers

FCT 2005

15^{th} International Symposium on Fundamentals of Computation Theory

Lübeck, Germany
August 17-20, 2005

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Tradition: The Symposium on Fundamentals of Computation Theory was established in 1977 as a biennial event for researchers interested in all aspects of theoretical computer science, in particular in algorithms, complexity, and formal and logical methods. The previous FCT conferences were held in Poznań (Poland, 1977), Wendisch-Rietz (Germany, 1979), Szeged (Hungary, 1981), Borgholm (Sweden, 1983), Cottbus (Germany, 1985), Kazan (Russia, 1987), Szeged (Hungary, 1989), Gosen-Berlin (Germany, 1991), Szeged (Hungary, 1993), Dresden (Germany, 1995), Kraków (Poland, 1997), Iasi (Romania, 1999), Riga (Latvia, 2001), and Malmö (Sweden, 2003).

Scope: Authors are invited to submit papers presenting original and unpublished research in all areas of theoretical computer science. Topics of interest include (but are not limited to):

- *automata and formal languages*
- *design and analysis of algorithms*
- *computational and structural complexity*
- *semantics*
- *logic in computer science*
- *circuits and networks*
- *learning theory*
- *specification and verification*
- *cryptography*
- *parallel and distributed systems*
- *approximation and randomized algorithms*
- *computational biology*
- *computational geometry*
- *quantum computation and information*
- *molecular computation*

Submissions: Authors are invited to submit a draft of a full paper with at most 12 pages, the title page must contain a classification of the topic covered, preferably using the list of topics above. The paper should contain a succinct statement of the issues and of their motivation, a summary of the main results, and a brief explanation of their significance, accessible to non-specialist readers. Proofs omitted due to space constraints can be put into an appendix to be read by the program committee members at their discretion. Simultaneous submission to other conferences with published proceedings is not allowed.
Only electronic submissions in standard postscript or pdf format are accepted, please follow the instructions on the conference web page.

Important dates:

Deadline for submission:	March 7, 2005
Notification to authors:	May 9, 2005
Final version:	May 31, 2005
Symposium:	August 17-20, 2005

Proceedings: Accepted papers will be published in the proceedings of the symposium (Lecture Notes in Computer Science, Springer-Verlag).