

Call for Papers
FCT 2005

**15th International Symposium on
Fundamentals of Computation Theory**

**Lübeck, Germany
August 17-20, 2005**

Conference Chair:

Maciej Liśkiewicz
Institut für
Theoretische Informatik
Universität zu Lübeck
Ratzeburger Allee 160
23538 Lübeck, Germany
Phone: +49 (0)451 500 5321
Fax: +49 (0)451 500 5301

Program Committee:

Tatsuya Akutsu, *Kyoto*
Giorgio Ausiello, *Rome*
Martin Dietzfelbinger, *Ilmenau*
Tao Jiang, *Riverside*
Matthias Krause, *Mannheim*
Maciej Liśkiewicz, *Lübeck*
Damian Niwiński, *Warsaw*
Mitsunori Ogihara, *Rochester*
Jean-Eric Pin, *Paris*
Rüdiger Reischuk, *Lübeck* (Chair)
Branislav Rován, *Bratislava*
Ludwig Staiger, *Halle*
Amnon Ta-Shma, *Tel-Aviv*
Jan Arne Telle, *Bergen*
Thomas Wilke, *Kiel*

Organizing Committee:

Jan Arpe
Frank Balbach
Andreas Jakoby
Maciej Liśkiewicz
Claudia Mamat
Bodo Manthey
Rüdiger Reischuk
Hagen Völzer

Contact:

Web site:
www.tcs.uni-luebeck.de/fct2005
E-mail:
fct05@tcs.uni-luebeck.de

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Scope: Authors are invited to submit papers presenting original and unpublished research in all areas of theoretical computer science.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).