

MTE workshop

MINI-WORKSHOP ON MATHEMATICAL THEORY EXPLORATION - MTE 2006

(in the frame of SYNASC 2006, Timisoara, Romania, September 26-29, 2006)

Original papers on all aspects of computer-supported (algorithm-supported, formal, reasoning based, automated, semi-automated) mathematical theory exploration are solicited:

- case studies
- reasoning tools
- organizational tools

The emphasis of this workshop is on methods and tools that concern the entire process, or significant parts of the process, of exploring mathematical theories:

- invention of definitions and axioms
- invention and verification of propositions
- invention of problems
- invention and verification of algorithms
- mathematical knowledge build-up and retrieval
- future organization of mathematical books and journals

and on realistic and interesting case studies that demonstrate the value of the methods presented.

The papers will be refereed for presentation at the workshop. Revised versions of papers, after additional refereeing, will be published in post-proceedings edited by an international publisher.

In addition to the full papers, proposals for short talks may be submitted (4 pages extended abstract).

The papers should be submitted in electronic version at mte06@info.uvt.ro.

Deadline for paper submission: Deadline extended: June 15, 2006 June 23, 2006

Workshop chair: Bruno Buchberger

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