



Algebraic Biology 2008

Third International Conference

July 31–August 2, 2008 - RISC, Hagenberg, Austria

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Katsuhisa Horimoto
Reinhard Laubenbacher
Bud Mishra

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Topics

The conference covers all aspects of applications of symbolic computation methods in biology, e.g.

- mathematical modeling
- model identification
- system analysis and design
- system verification
- system synthesis

in

- molecular sequence analysis
- molecular structure analysis
- molecular evolution
- genomics
- proteomics
- gene regulation
- gene expression
- gene ontology
- network inference

using

- polynomial methods
- group theory
- rewriting
- automated reasoning
- automata theory
- formal language methods
- combinatorics
- graph theory
- artificial intelligence
- symbolic-numerical methods
- differential algebra
- local analysis

in various computing paradigms like sequential, parallel, distributed, grid computing, cellular, genetic.

Invited Speakers

Kiyoshi Asai	Charles Cantor	David Harel
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Tutorials

Tatsuya Akutsu	François Boulier	Edmund Clarke
Ken Fukuda	Tohru Natsume	Ashish Tiwari

Important Dates

January 7, 2008	Deadline for abstracts
January 14, 2008	Deadline for full papers
March 31, 2008	Notification of acceptance
April 28, 2008	Camera-ready paper submission

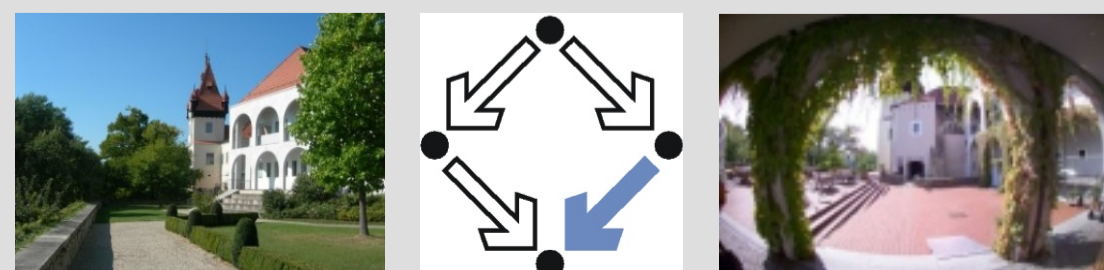
Conference Venue and Website

Research Institute for Symbolic Computation (RISC)
Johannes Kepler University, Castle of Hagenberg, Austria
<http://www.risc.uni-linz.ac.at/conferences/ab2008/>

Sponsors



RISC Summer 2008



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