



Algebraic Biology 2007

Second International Conference

July 2-4, 2007. RISC, Castle of Hagenberg, Austria

Invited Speakers

Reinhard Laubenbacher
Bud Mishra
Gheorghe Paun

Conference Chairmen

Hirokazu Anai
Bruno Buchberger
Hoon Hong
Katsuhisa Horimoto

Program Chairs

Hirokazu Anai
Katsuhisa Horimoto
Temur Kutsia

Program Committee

Tatsuya Akutsu
Hirokazu Anai
Armin Biere
Bruno Buchberger
Vincenzo Capasso
Luca Cardelli
Gautam Dasgupta
Francois Fages
Shinji Hara
Sepp Hochreiter
Hoon Hong
Katsuhisa Horimoto
Hans Irschik
Erich Kaltfen
Veikko Keränen
Temur Kutsia
James F. Lynch
Manfred Minimair
Enno Ohlebusch
Stanly Steinberg
Bernd Sturmfels
Carolyn L. Talcott
Ashish Tiwari
Jens Volkert
Dongming Wang
Kazuhiro Yokoyama
Ruriko Yoshida

Proceedings Editors

Hirokazu Anai
Katsuhisa Horimoto
Temur Kutsia

Organization

Betina Curtis
Temur Kutsia

Topics

Applications of algebraic and logic methods in biology, addressing

- molecular sequence analysis
- molecular structure analysis
- molecular evolution
- genomics
- proteomics
- gene regulation
- gene expression
- gene ontology
- network Inference
- mathematical modeling
- model identification
- system analysis and design
- system verification
- synthetic biological systems

and other problems in biology with symbolic methods including, but not restricted to:

- polynomial methods
- group theoretical methods
- rewriting methods
- automated reasoning methods
- automata methods
- formal language methods
- combinatoric methods
- symbolic-numeric algorithms (sequential, parallel, distributed, grid processing).

Dates

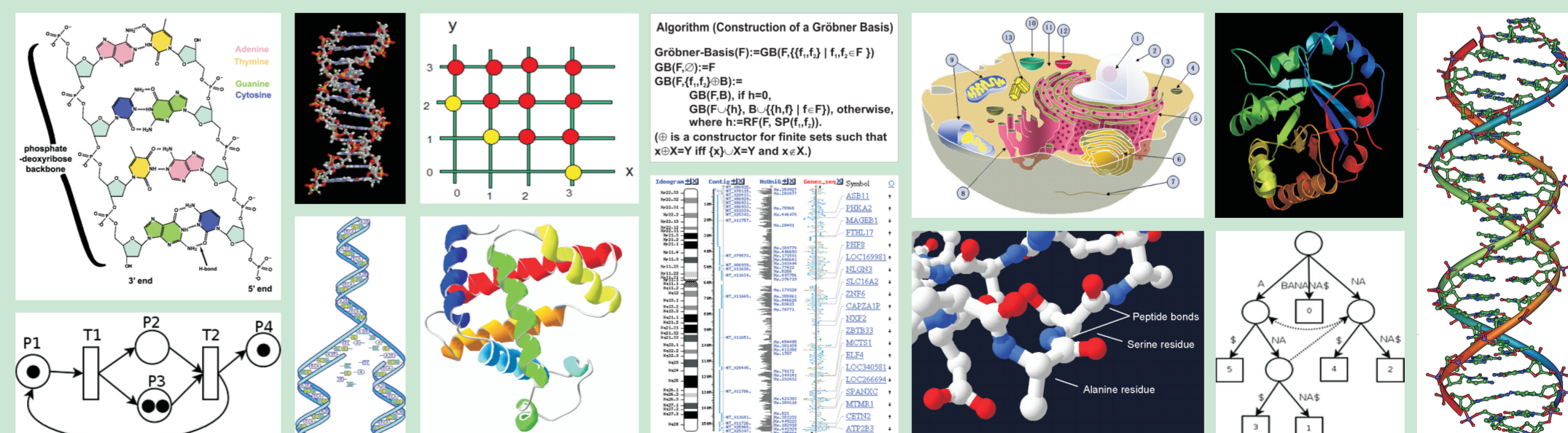
December 4, 2006: Deadline for registration of abstracts.
 December 11, 2006: Deadline for submission of full papers.
 March 5, 2007: Notification of acceptance/rejection.
 April 2, 2007: Camera-ready paper submission.
 July 2-4, 2007: Conference.

Conference Venue

Research Institute for Symbolic Computation (RISC)
Johannes Kepler University
Castle of Hagenberg, Austria

Further Information

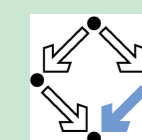
<http://www.risc.uni-linz.ac.at/conferences/ab2007/>



Sponsors



Part of the RISC Summer 2007



RISC Summer Series:
Science and More