

## CONFERENCE VENUE

Vaasa, situated on the west coast of Finland by the Gulf of Bothnia, is a pleasant meeting place for people on the move. You can approach the city from many different directions. Several flights daily via Helsinki or Stockholm, Sweden, several trains per day and the ferry from Umeå, Sweden makes Vaasa easily accessible.

More info about the city of Vaasa:

<http://www.vaasa.fi>

The conference will take place at the University of Vaasa located at Palosaari, about a 15 minutes walk from the city center. A bus will take conference participants from the hotels to the University and back.

The University of Vaasa has a beautiful maritime campus and the campus milieu comprises parks along the water's edge, modern architecture, and a renovated 19<sup>th</sup> century factory complete with the wooden workers' housing, where students now live.

## CONFERENCE ORGANIZERS



UNIVERSITY OF VAASA



VAA SAN AMMATTIKORKEAKOULU  
VASA YRKESHÖGSKOLA  
VAASA POLYTECHNIC



ROVANIEMI  
POLYTECHNIC



# ALGORITHMIC INFORMATION THEORY

**VAASA, FINLAND  
MAY 16-18, 2005**

**CALL FOR PAPERS**



**AIT**

**ALGORITHMIC  
INFORMATION  
THEORY**

VAASA FINLAND  
16th – 18th May 2005

## CONFERENCE THEME

Algorithmic Information Theory is an international meeting bringing together mathematicians, computer theorists, logicians, mathematical physicists and scientists in related fields to assess the impact of recent development in the foundations of mathematics, computability, computation and computer-supported mathematical theory exploration, and to stimulate further research in these and related fields.

The main topics of the conference are:

**Algorithmic Information Theory**  
**Formal Systems**  
**Symbolic Computation**  
**Cellular and Quantum Automata**  
**Operator and Spectral Theory**

## SPEAKERS

Among the main speakers are:

**Bruno Buchberger**, RISC-Linz, Hagenberg, Austria  
**Gregory Chaitin**, IBM Thomas Watson Research Center, New York, USA  
**Gautam Dasgupta**, Columbia University, New York, USA  
**Jarkko Kari**, University of Turku, Finland  
**Heinz Langer**, Technische Universität Wien, Austria  
**Henk de Snoo**, University of Groningen, Netherlands  
**Klaus Sutner**, Carnegie Mellon University, USA

## CALL FOR PAPERS

Researchers are invited to contribute to the Conference on Algorithmic Information Theory. Please submit a 1-3 pages extended abstract for review by January 31, 2005. The abstracts will be reviewed by an international board. The full paper is due to March 31, 2005.

## IMPORTANT DATES

**January 31, 2005** submission of extended abstract  
**February 28, 2005** notification on acceptance  
**March 31, 2005** papers in full form and payment of registration fee

For more detailed information check our web-site:  
<http://www.uwasa.fi/ait05> or email [ait05@uwasa.fi](mailto:ait05@uwasa.fi)

Proceedings will be published. Papers will be published in the Proceedings only if the registration fee is paid.

## ORGANISATION

Conference Chair:

Matti Linna, University of Vaasa

Organizing Committee:

Merja Wanne (Chairman), University of Vaasa  
Matti Laaksonen, University of Vaasa  
Matti Linna, University of Vaasa  
Seppo Mäkinen, Vaasa Polytechnic  
Jari Töyli, University of Vaasa

Program Committee:

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Matti Linna, University of Vaasa  
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Tenho Vanhanen, Stadia