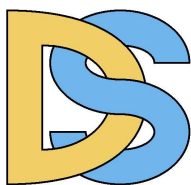




The 16th International Conference on Algorithmic Learning Theory and



The 8th International Conference on Discovery Science Marina Mandarin Hotel, Singapore Republic of Singapore, October 8 - 11, 2005 ALT '05 / DS '05 – Conference Program

The 16th International Conference on Algorithmic Learning Theory (ALT'05) and the 8th International Conference on Discovery Science will be held at Marina Mandarin Hotel, Singapore, Republic of Singapore, October 8 - 11, 2005 in conjunction with the centennial celebrations of the national University of Singapore. The Conferences are sponsored by the Lee Foundation, AOARD (Asian Office of Aerospace Research and Development, US Air Force), the Division of Computer Science of Hokkaido University, the mathematics department of of Ruhr-University, Bochum, the Institute for Theoretical Computer Science, the University of Lübeck, the School of Computing, National University of Singapore, and MBZ Marketing Büro Zeugmann.

This ALT conference is the 16th in a series of annual meetings established in 1990. For information concerning previous ALT meetings visit the Archives of ALT conferences at <http://www-alg.ist.hokudai.ac.jp/~thomas/>

The ALT series is focusing on all areas related to algorithmic learning theory including (but not limited to): *the design and analysis of learning algorithms, computational models of machine learning (e.g., on-line learning, learning via queries, inductive inference, statistical learning), specific algorithmic approaches (e.g., margin-based algorithms, MDL estimation), learning complex models (e.g., neural networks, Bayesian networks, logical formulae, grammars, instance-based models), machine discovery, and applications of machine learning to other fields (e.g., data mining, web mining, bioinformatics).*

The ALT conference program comprises 30 lectures selected by its program committee from 98 submissions.

This DS conference is the eighth in a series of annual meetings established by the Discovery Science Project of Japan in 1998. The DS conferences provide an open forum for intensive discussions and interchange of new information among researchers working in the area of Discovery Science including (but not limited to) the following topics: *logic for/of knowledge discovery; knowledge discovery by inferences; abductive reasoning; heuristic search; con-*

structive programming as discovery; knowledge discovery from texts and the Web; knowledge discovery from unstructured and multimedia data; knowledge discovery in databases; data mining; data and knowledge visualization; active mining; knowledge discovery in network environments; intelligent network agents; machine learning; statistical methods and neural networks for knowledge discovery; Bayesian networks; knowledge discovery and human interaction; human factors in knowledge discovery; philosophy and psychology of discovery; chance discovery; scientific discovery; application of knowledge discovery to natural and social sciences.

The DS conference program comprises 23 long papers and 7 regular papers selected by its program committee from submissions.

Additionally, we are are fortunate to present five invited lectures by:

Gary L. Bradshaw (Mississippi State University, Starkville, USA)

Chih-Jen Lin (National Taiwan University, Taipei, Taiwan)

Vasant Honavar (Iowa State University, Ames, Iowa, USA)

Ross D. King (The University of Wales, Aberystwyth, UK)

Neil Smalheiser (University of Illinois at Chicago, Chicago, USA)

which are shared by both conferences.

The E.M. Gold Award winner in 2005 is Rotem Bennet. Congratulations !!!

For any further information as well as for **registration**, we refer to the following web-pages:

<http://www-alg.ist.hokudai.ac.jp/~thomas/ALT05/alt05.jhtml>

<http://www.cse.unsw.edu.au/~achim/DS05/>



Saturday, October 8



ALT '05 and DS '05 Joint Tutorials

organized by DS

Saturday, October 8, Morning

REGISTRATION:

from 8.30 to 13.00 and from 18.00 to 21.00 at the Marina Mandarin Hotel

Tutorial SESSION 1: Saturday, October 8, Morning

Chair: Tobias Scheffer

9.00–12.30: **Tutorial 1:** Bioinformatics in Practice

Presenters: Wing-Kin Sung, and Limsoon Wong

12.30–14.00: Lunch

Tutorial SESSION 2: Saturday, October 8, Afternoon

Chair: Achim Hoffmann

14.00–17.30: **Tutorial 2:** Computational Scientific Discovery

Presenter: Ljupco Todorovski

Alternatively, you may attend the whole day

Tutorial SESSION 3: Saturday, October 8

Chair: Johannes Fürnkranz

Tutorial SESSION 3:

9.00–12.30 and 14.00–17.30: **Tutorial 3:** Network Data Mining and Visualisation

Presenters: Simeon J. Simoff, and John Galloway

18.00–21.00: **Welcome reception (hotel)**



PROGRAM

Sunday, October 9, Morning

8.50–9.00: **Opening of ALT and DS 2005:**

Sanjay Jain and Hiroshi Motoda

SESSION 1: Sunday, October 9, Morning

Chair: Thomas Zeugmann

9.00–10.00: **Invited talk by Gary Bradshaw**

Invention and Artificial Intelligence

10.00–10.30: **Coffee Break**

SESSION 2: Sunday, October 9, Morning

Inductive Inference

Chair: Henning Fernau

10.30–10.55: Lorenzo Carlucci, John Case, Sanjay Jain, and Frank Stephan

Non U-Shaped Vacillatory and Team Learning

10.55–11.20: Sanjay Jain and Efim Kinber

Learning Multiple Languages in Groups

11.20–11.30: **Short Break**

SESSION 3: Sunday, October 9, Morning

Kernel-based Learning

Chair: Chih-Jen Lin

11.30–11.55: Arthur Gretton, Olivier Bousquet, Alex Smola, and Bernhard Schölkopf

Measuring Statistical Dependence with Hilbert-Schmidt Norms

11.55–12.20: Adam Kowalczyk and Olivier Chapelle

An Analysis of the Anti-Learning Phenomenon for the Class Symmetric Polyhedron

12.20–13.20: **Lunch**

SESSION 4: Sunday, October 9, Afternoon

Chair: Hans Ulrich Simon

13.20–14.20: **Invited talk by Pai-Hsuen Chen, Rong-En Fan, and Chih-Jen Lin**

Training Support Vector Machines via SMO-type Decomposition Methods

14.20–14.30: **Short Break**

SESSION 5: Sunday, October 9, Afternoon

Bayesian and Statistical Models

Chair: Vasant Honavar

14.30–14.55: Yang-Bo He, Zhi Geng, and Xun Liang

Learning Causal Structures Based on Markov Equivalence Class

14.55–15.20: Kazuho Watanabe and Sumio Watanabe

Stochastic Complexity for Mixture of Exponential Families in Variational Bayes

15.20–15.45: Risi Thonangi and Vikram Pudi

ACME: An Associative Classifier based on Maximum Entropy Principle

15.45–16.15: **Coffee Break**

SESSION 6: Sunday, October 9, Afternoon

Language Learning

Chair: John Case

16.15–16.40: Yen K. Ng and Takeshi Shinohara

Inferring Unions of the Pattern Languages by The Most Fitting Covers

16.40–17.05: Alexander Clark and Rémi Eyraud

Identification in the Limit of Substitutable Context-free Languages

17.05–17.30: Henning Fernau

Algorithms for Learning Regular Expressions

17.30–19.00: **steering committee meeting**

SESSION 7: Monday, October 10, Morning

Chair: Achim Hoffmann

9.00–10.00: **Invited talk by Ross King**

The Robot Scientist Project

10.00–10.30: **Coffee Break**

SESSION 8: Monday, October 10, Morning

Query-Learning I

Chair: Sandra Zilles

Gold Award Winner's talk

10.30–10.55: Rotem Bennet and Nader H. Bshouty

Learning Attribute-Efficiently with Corrupt Oracles

10.55–11.20: Wolfgang Lindner

Learning DNF by Statistical and Proper Distance Queries under the Uniform Distribution

11.20–11.30: **Short Break**

SESSION 9: Monday, October 10, Morning

Query-Learning II

Chair: Nader H. Bshouty

11.30–11.55: Hirotaka Kato, Satoshi Matsumoto, and Tet-suhiro Miyahara

Learning of Elementary Formal Systems with Two Clauses using Queries

11.55–12.20: Sanjay Jain, Steffen Lange, and Sandra Zilles

Gold-style and Query Learning under Various Constraints on the Target Class

12.20–13.20: **Lunch and Business meeting**

SESSION 10: Monday, October 10, Afternoon

Chair: Etsuji Tomita

13.20–14.20: **Invited talk by Doina Caragea, Jun Zhang, Jie Bao, Jyotishman Pathak, and Vasant Honavar**

Algorithms and Software for Collaborative Discovery from Autonomous, Semantically Heterogeneous, Distributed Information Sources

14.20–14.30: **Short Break**

SESSION 11: Monday, October 10, Afternoon

Online learning, Teaching

Chair: Frank Stephan

14.30–14.55: Chris Mesterharm

On-line Learning with Delayed Label Feedback

14.55–15.20: Alexey Chernov and Marcus Hutter

Monotone Conditional Complexity Bounds on Future Prediction Errors

15.20–15.45: Frank J. Balbach and Thomas Zeugmann

Teaching Learners with Restricted Mind Changes

15.45–16.15: Coffee Break

SESSION 12: Monday, October 10, Afternoon

Defensive Forecasting

Chair: Jan Poland

16.15–16.40: Vladimir Vovk

Non-asymptotic Calibration and Resolution

16.40–17.05: Vladimir Vovk

Defensive Prediction with Expert Advice

17.05–17.30: Vladimir Vovk, Ilia Nouretdinov, Akimichi Takemura, and Glenn Shafer

Defensive Forecasting for Linear Protocols

19.00–: **Banquet**

SESSION 13: Tuesday, October 11, Morning

Chair: Tobias Scheffer

9.00–10.00: **Invited talk by Neil Smalheiser**

The Arrowsmith Project: 2005 Status report

10.00–10.30: Coffee Break

SESSION 14: Tuesday, October 11, Morning

Learning from Expert Advice I

Chair: Vladimir Vovk

10.30–10.55: Shigeaki Harada, Eiji Takimoto, and Akira Maruoka

Online Allocation with Risk Information

10.55–11.20: Jan Poland and Marcus Hutter

Defensive Universal Learning with Experts

11.20–11.30: Short Break

SESSION 15: Tuesday, October 11, Morning

Learning from Expert Advice II

Chair: Eiji Takimoto

11.30–11.55: Jussi Kujala and Tapio Elomaa

On Following the Perturbed Leader in the Bandit Setting

11.55–12.20: Matthew Henderson, John Shawe-Taylor, and Janez Žerovnik

Mixture of Vector Experts

12.20–13.20: Lunch

SESSION 16: Tuesday, October 11, Afternoon

PAC Learning I

Chair: Sanjay Jain

13.20–13.45: Jittat Fakcharoenphol and Boonserm Kijirikul

Constructing Multiclass Learners from Binary Learners: A Simple Black-Box Analysis of the Generalization Errors

13.45–14.10: Daniil Ryabko

On Computability of Pattern Recognition Problems

14.10–14.20: Short Break

SESSION 17: Tuesday, October 11, Afternoon

PAC Learning II

Chair: Daniil Ryabko

14.20–14.45: Nick Palmer and Paul W. Goldberg

PAC-learnability of Probabilistic Deterministic Finite State Automata in terms of Variation Distance

14.45–15.10: Omri Guttman, S.V.N. Vishwanathan, and Robert C. Williamson

Learnability of Probabilistic Automata via Oracles

15.10–15.40: Coffee Break

SESSION 18: Tuesday, October 11, Afternoon

Learning and Logic

Chair: Takeshi Shinohara

15.40–16.05: M. R. K. Krishna Rao

A Class of Prolog Programs with Non-linear Outputs Inferable from Positive Data

16.05–16.30: Sanjay Jain, Eric Martin, and Frank Stephan

Absolute versus Probabilistic Classification in a Logical Setting

Adjourn



PROGRAM

Sunday, October 9, Morning

8.50–9.00: Opening of ALT and DS 2005:

Sanjay Jain and Hiroshi Motoda

SESSION 1: Sunday, October 9, Morning

Chair: Thomas Zeugmann

9.00–10.00: Invited talk by Gary Bradshaw

Invention and Artificial Intelligence

10.00–10.30: Coffee Break

SESSION 2: Sunday, October 9, Morning

Carl Smith Award Session

Chair: Hiroshi Motoda

10.30–10.55: Qianjun Xu, Marie desJardins, Kiri L. Wagstaff

Carl Smith Award winning paper: Active Constrained Clustering by Examining Spectral Eigenvectors

SESSION 2b: Sunday, October 9, Morning

Chair: Hiroshi Motoda

Inductive Logic Programming

10.55–11.20: Stephen Muggleton, Huma Lodhi, Ata Amini, Michael J. E. Sternberg

Support Vector Inductive Logic Programming

11.20–11.30: Short Break

SESSION 3: Sunday, October 9, Morning

Applications

Chair: Stephen Muggleton

11.30–11.55: Sengtai Lee, Jeehoon Kim, Jae-Yeon Baek, Man-Wi Han, Chang Woo Ji, and Tae-Soo Chon

Movement Analysis of Medaka (Oryzias latipes) for an Insecticide Using Decision Tree

11.55–12.20: Shiliang Sun and Changshui Zhang

Learning On-Line Classification via Decorrelated LMS Algorithm: Application to Brain-Computer Interfaces

12.20–13.20: Lunch

SESSION 4: Sunday, October 9, Afternoon

Chair: Hans Ulrich Simon

13.20–14.20: Invited talk by Pai-Hsuen Chen, Rong-En Fan, and Chih-Jen Lin

Training Support Vector Machines via SMO-type Decomposition Methods

14.20–14.30: Short Break

SESSION 5: Sunday, October 9, Afternoon

Scientific Discovery

Chair: Neil Smalheiser

14.30–14.55: R. J. Cole, P. D. Bruza

A Bare Bones Approach to Literature-Based Discovery: An Analysis of the Raynaud's/Fish-Oil and Migraine-Magnesium Discoveries in Semantic Space

14.55–15.20: Christopher Dartnell, Jean Sallantin

Assisting Scientific Discovery with an Adaptive Problem Solver

15.20–15.45: Takashi Washio, Fuminori Adachi, and Hiroshi Motoda

SCALETRACK: A System to Discover Dynamic Law Equations Containing Hidden States and Chaos

15.45–16.15: Coffee Break

SESSION 6: Sunday, October 9, Afternoon

Regular Paper Spotlight Presentations

Chair: Gary Bradshaw

16.15–16.25: Christian Stolle, Andreas Karwath, Luc De Raedt

CLASSIC'CL: An Integrated ILP System

16.25–16.35: Masaki Yokoyama, Tohgoroh Matsui, and Hayato Ohwada

Detecting and Revising Misclassifications Using ILP

16.35–16.45: Kiho Hong, Junhyung Park, Jihoon Yang, and Eunok Paek

Automatic Extraction of Proteins and Their Interactions from Biological Text

16.45–16.55: Xuan-Hiep Huyn, Fabrice Guillet, and Henri Briand

A Data Analysis Approach for Evaluating the Behavior of Interestingness Measures

16.55–17.05: Keunjoon Lee, Jinu Joo, Jihoon Yang, and Sungyong Park

Unit Volume Based Distributed Clustering Using Probabilistic Mixture Model

17.05–17.15: Yoshiaki Okubo, Makoto Haraguchi, and Bin Shi

Finding Significant Web Pages with Lower Ranks by Pseudo-Clique Search

17.30–19.00: Steering Committee Meeting

18.00–21.00: Poster Session

SESSION 7: Monday, October 10, Morning

Chair: Achim Hoffmann

9.00–10.00: Invited talk by Ross King

The Robot Scientist Project

10.00–10.30: Coffee Break

SESSION 8: Monday, October 10, Morning

Machine Learning

Chair: Adam Kowalczyk

10.30–10.55: Jigang Wang, Predrag Neskovic, and Leon N. Cooper

Pattern Classification via Single Spheres

10.55–11.20: Jun Zhang, Doina Caragea, and Vasant Honavar

Learning Ontology-Aware Classifiers

11.20–11.30: Short Break

SESSION 9: Monday, October 10, Morning

Biomedical Discovery

Chair: Ross King

11.30–11.55: Yen Kaow Ng, Hirotaka Ono, Takeshi Shinohara

Measuring Over-generalization in the Minimal Multiple Generalizations of Biosequences

11.55–12.20: Joachim Wermter and Udo Hahn

Massive Biomedical Term Discovery

12.20–13.20: **Lunch and Business meeting**

SESSION 10: Monday, October 10, Afternoon

13.20–14.20: **Invited talk by Doina Caragea, Jun Zhang, Jie Bao, Jyotishman Pathak, and Vasant Honavar**

Algorithms and Software for Collaborative Discovery from Autonomous, Semantically Heterogeneous, Distributed Information Sources

14.20–14.30: **Short Break**

SESSION 11: Monday, October 10, Afternoon

Natural Language

Chair: Lee Wee Sun

14.30–14.55: Indra Budi, Stéphane Bressan, Gatot Wahyudi, Zainal A. Hasibuan, and Bobby A.A. Nazief

Named Entity Recognition for the Indonesian Language: Combining Contextual, Morphological and Part-of-Speech Features into a Knowledge Engineering Framework

14.55–15.20: Udo Hahn, Philipp Daumke, Stefan Schulz, Kornél Markó

Cross-Language Mining for Acronyms and their Completions from the Web

15.20–15.45: Tuangthong Wattarueekrit and Nigel Collier
Exploring Predicate-Argument Relations for Named Entity Recognition in the Molecular Biology Domain

15.45–16.15: **Coffee Break**

SESSION 12: Monday, October 10, Afternoon

Machine Learning

Chair: Alex Smola

16.15–16.40: Hideo Bannai, Kohei Hatano, Shunsuke Inenaga, and Masayuki Takeda

Practical Algorithms for Pattern Based Linear Regression

16.40–17.05: Nobuhito Ohkura, Kouichi Hirata, Tet-suji Kuboyama, and Masateru Harao

The q-Gram Distance for Ordered Unlabeled Trees

17.05–17.30: Viara Popova, Jan C. Bioch

Monotone Classification by Function Decomposition

19.00: **Banquet**

SESSION 13: Tuesday, October 11, Morning

Chair: Tobias Scheffer

9.00–10.00: **Invited talk by Neil Smallheiser**

The Arrowsmith Project: 2005 Status Report

10.00–10.30: **Coffee Break**

SESSION 14: Tuesday, October 11, Morning

Chair: Takashi Washio

Bayesian Networks and Knowledge Discovery in Databases

10.30–10.55: Gladys Castillo, João Gama

Bias Management of Bayesian Network Classifiers

10.55–11.20: Alípio M. Jorge and Paulo J. Azevedo

An Experiment with Association Rules and Classification: Post-Bagging and Conviction

11.20–11.30: **Short Break**

SESSION 15: Tuesday, October 11, Morning

Knowledge Discovery in Databases

Chair: Andreas Karwath

11.30–11.55: Tsuyoshi Tanaguchi, Makoto Haraguchi

Inn Algorithm for Mining Implicit Itemset Pairs based on Differences of Correlations

11.55–12.20: Céline Hébert and Bruno Crémilleux

Mining Frequent δ -Free Patterns in Large Databases

Adjourn

12.20–13.20: **Lunch**

Acknowledgments

Conference Chair ALT 2005:

Sanjay Jain, National University of Singapore

Conference Chair DS 2005:

Hiroshi Motoda, Osaka University, Japan

Local Arrangement Chair:

Lee Wee Sun, National University of Singapore

leews@comp.nus.edu.sg

Tutorial Chair

Johannes Fürnkranz, TU Darmstadt, Germany

ALT 2005 Program Committee:

Hans Ulrich Simon (Ruhr-Univ. Bochum, Germany) Chair
Etsuji Tomita (Univ. of Electro-Comm., Japan) Chair
Dana Angluin (Yale Univ., USA)
Hiroki Arimura (Hokkaido Univ., Japan)
John Case (Univ. of Delaware, USA)
Nello Cristianini (Univ. of California, Davis, USA)
Victor Dalmau (Univ. Pompeu Fabra, Spain)
Claudio Gentile (Univ. dell'Insubria, Italy)
Vasant Honavar (Iowa State Univ., USA)
Satoshi Kobayashi (Univ. of Electro-Communications, Japan)
Phil Long (Google, Mountain View, USA)
Frank Stephan (National Univ. of Singapore)
Esko Ukkonen (Univ. of Helsinki, Finland)
Vladimir Vovk (Royal Holloway, U.K)
Manfred Warmuth (Univ. of California, Santa Cruz, USA)
Kenji Yamanishi (NEC Corporation, Japan)
Takashi Yokomori (Waseda Univ., Japan)
Thomas Zeugmann (Hokkaido Univ., Japan)

The continuing success of these ALT-meetings has been managed and supervised by its

ALT Steering Committee:

Thomas Zeugmann (Hokkaido Univ., Japan, Chair)
Arun Sharma (Queensland Univ. of Technology, Brisbane, Australia, Co-Chair)
Naoki Abe (IBM Thomas J. Watson Research Center, Yorktown, USA)
Klaus Peter Jantke (DFKI, Saarbrücken, Germany)
Roni Khardon (Tufts Univ., Medford, USA)
Phil Long (National Univ. of Singapore)
Hiroshi Motoda (Osaka Univ., Japan)
Akira Maruoka (Tohoku Univ., Sendai, Japan)
Luc De Raedt (Albert-Ludwigs-Univ. Freiburg, Germany)
Takeshi Shinohara (Kyushu Institute of Technology, Iizuka, Japan)

Osamu Watanabe (Tokyo Institute of Technology, Japan) and the current PC Chairs, who are one-year members of the ALT steering committee, i.e.,

Hans Ulrich Simon (Ruhr-Univ. Bochum, Germany)

Etsuji Tomita (Univ. of Electro-Communications, Japan)

DS 2005 Program Committee:

Jose Luis Balcazar, (Univ. of Catalunya, Spain)
Elisa Bertino (Purdue Univ., USA)
Wray Buntine (Helsinki Inst. Inform. Tech., Finland)
Vincent Corruble (Univ. of Pierre et Marie Curie, France)
Manoranjan Dash (Nanyang Tech. Univ., Singapore)
Andreas Dress (Max Planck Inst. for Math. Sciences, Germany)
Saso Dzeroski (Jozef Stefan Institute, Slovenia)
Tapio Elomaa (Tampere Univ. of Technology, Finland)
Eibe Frank (Univ. of Waikato, New Zealand)
Johannes Fürnkranz (TU Darmstadt, Germany)
Joao Gama (Univ. of Porto, Portugal)
Gunter Grieser (TU Darmstadt, Germany)
Fabrice Guillet (Ecole Polytech., Nantes, France)
Mohand-Said Hacid (Univ. of C. Bernard, Lyon, France)
Udo Hahn (Jena Univ., Germany)
Tu Bao Ho, (JAIST, Japan)
Klaus P. Jantke (FIT Leipzig, Germany)
Kristian Kersting (Univ. Freiburg, Germany)
Ross King (Univ. of Wales, UK)
Kevin Korb, Monash Univ., Melbourne, Australia)
Ramamohanarao Kotagiri (Univ. Melbourne, Australia)
Stefan Kramer (TU München, Germany)
Nicolas Lachiche (Univ. Strasbourg, France)
Nada Lavrac (Jozef-Stefan Inst., Ljubljana, Slovenia)
Aleksandar Lazarevic (Unit. Tech. Res. Cent., CT, USA)
Jinyan Li (Inst. for Infocomm Research, Singapore)
Ramon Lopez de Mantaras (Spanish Council Sci. Res., CSIC, Spain)
Ashesh Mahidadia (UNSW, Sydney, Australia)
Michael May (F.I. for Aut. Intell. Syst., Germany)
Katharina Morik (Univ. of Dortmund, Germany)
Ion Muslea (SRI International, USA)
Lourdes Pena (Center Intell. Sys. at ITESM, Monterrey)
Jan Rauch (Univ. of Economics, Prague, Czech Rep.)
Bernhard Pfahringer, (Univ. of Waikato, New Zealand)
Domenico Saccà (Univ. of Calabria & ICAR-CNR, Italy)
Rudy Setiono (National Univ. of Singapore, Singapore)
Myra Spiliopoulou (Otto-von-Guericke Univ., Germany)
Ashwin Srinivasan (IBM India, India)
Einoshin Suzuki (Yokohama National Univ., Japan)
Masayuki Takeda (Kyushu Univ., Japan)
Kai Ming Ting (Monash Univ., Australia)
Ljupco Todorovski (Jozef Stefan Institute, Slovenia)
Volker Tresp (Siemens AG, München, Germany)
Alfonso Valencia (Nat. Centre Biotechnology, Spain)
David Vogel (AI Insight)
Gerhard Widmer (Johannes-Kepler-Univ., Austria)
Akihiro Yamamoto (Kyoto Univ., Japan)
Mohammed Zaki (Rensselaer Polytechnic Institute, USA)
Chengqi Zhang (Univ. of Technology Sydney, Australia)
Djamel A. Zighed (Univ. of Lumiere, France)

The continuing success of these DS-meetings has been managed and supervised by its

DS Steering Committee:

Hiroshi Motoda (Osaka Univ. Japan, Chair)
Alberto Apostolico (Univ. of Padova, Italy and Purdue Univ., USA)
Setsuo Arikawa (Kyushu Univ. Japan)
Achim Hoffmann (Univ. of New South Wales, Australia)
Klaus Peter Jantke (DFKI, Germany)
Massimo Melucci (Univ. of Padova, Italy)
Masahiko Sato (Kyoto Univ. Japan)
Ayumi Shinohara (Kyushu Univ. Japan)
Einoshin Suzuki (Yokohama National Univ., Japan)
Thomas Zeugmann (Hokkaido Univ., Japan)



We look forward to seeing you in Singapore.

Conference Information

The Conferences will take place at the Marina Mandarin Hotel, 6 Raffles Boulevard, Marina Square, Singapore 039594.



The hotel is located in the Marina Bay within walking distance to the shopping and entertainment hub of the bay area. Information about booking accommodation at the hotel can be found here. The conference hotel can be easily reached from other accommodation in the city.

Travel Information: Most participants will arrive at the Changi International Airport. A 20 minute taxi ride will take you to the hotel. The cost is approximately SGD\$15 with a SGD\$3 to SGD\$5 surcharge depending on time. You can also take the train (MRT) from Terminal 2 at Changi Airport to City Hall station for SGD\$1.40 and walk for about 5 minutes to the hotel.

Entry requirements for travelers to enter Singapore are available at the Singapore Immigration & Checkpoints Authority webpage. Check out “Passenger Flight Planner” under the menu-point “Flights” on the Changi Airport Webpage for information about flights through Singapore, see

<http://www.changiairport.com.sg/changi/index.jsp>

Weather: The weather is warm and humid throughout the year. The average maximum temperature is 31 degrees Celcius and the average minimum temperature is 23 degrees Celcius.

Conference City: Singapore is safe, clean and green. It is a dynamic modern metropolis with one of the world’s busiest port and one of the best airports. At the same time, the island has retained many elements of its colonial past. The multi-ethnic population provides a rich heritage of cultures, religions and languages.

For more information see

<http://www.comp.nus.edu.sg/~leews/ALT/ALTlocation.htm>