

Algodan now and in 2014

Algodan Annual Seminar
28 October 2011

Combinatorial Pattern Matching

Combinatorial Pattern Matching Algorithms and Applications

Esko Ukkonen
Leena Salmela
Jarkko Toivonen
Otto Solin
Johannes Ylinen
(Pasi Rastas)

Fast and Practical Algorithms on Strings and Sequences

Juha Kärkkäinen
Dominik Kempa
(Simon Puglisi)

Succinct Data Structures (SuDS)

Veli Mäkinen
Niko Välimäki
Jouni Siren
Serikzhan Kazi

Computational Geometry

Valentin Polishchuk
Mikko Sysikaski
(Anne Pääkkö)

C-BRAHMS

Kjell Lemström
Teppo Ahonen
Antti Laaksonen
Mika Laitinen
Simo Linkola

Document Mining and Linguistic Analysis Group (Domila)

Roman Yangarber
Silja Huttunen
Peter von Etter
Lidia Pivovarova
Mian Du
Suvi Hiltunen

Data Mining: Theory and Applications

Data Mining / Phenomics

Heikki Mannila

Kai Puolamäki

Panagiotis Papapetrou

Jefrey Lijffijt

Aleksi Kallio

Markus Ojala

Niko Vuokko

Sami Hanhijärvi

(Esa Junttila)

Combinatorics, Algebra, and Computing (CO-ALCO)

Mikko Koivisto

Petteri Kaski

Pekka Parviainen

Janne Korhonen

Esther Galbrun

Teppo Niinimäki

Kustaa Kangas

(Pauli Miettinen)

Parsimonious Modelling

Jaakko Hollmén

Mika Sulkava

Mikko Korpela

Janne Toivola

Prem Raj Adhikari

Machine Learning

Machine learning

Jyrki Kivinen

Panu Luosto

Computational Systems

Biology and Bioinformatics

Juho Rousu

Esa Pitkänen

Markus Heinonen

Hongyu Su

Huibin Shen

Neuroinformatics

- *Aapo Hyvärinen*
- *Patrik Hoyer*
- Hugo Eyharabide
- Doris Entner
- Michael Gutmann
- Antti Hyttinen
- Jukka-Pekka Kauppi
- Vadim Kulikov
- Miika Pihlaja
- Jouni Puuronen
- Hiroaki Sasaki

Pattern and Link Discovery

- *Hannu Toivonen*
- Alessandro Valitutti
- Laura Langohr
- Fang Zhou
- Esther Galbrun
- Oskar Gross
- Jukka Toivanen
- Joonas Paalasmaa
- Maria-Eleni Skarkala
- (Petteri Hintsanen)
- (Lauri Eronen)

Algodan 2012

- SAB meeting

Algodan 2014

- First application of Algodan submitted Jan 31, 2006
- Start planning our CoE for 2014 – 2019 soon!
- Need to consider:
 - Vision – themes – name
 - New directions – new (strong) members
 - Planning team

Algodan 2014

- Directions
 - Bio- / neuro- / geo- / X-informatics
 - New computing, creative computing
 - Massive data – distributed environment – connections to Internet research
 - Core algorithmics for emerging applications
 - ...
- Pure CS or multidisciplinary alliance?