

BIOKDD02: Workshop on Data Mining in Bioinformatics

July 23rd, 2002

Edmonton, Alberta, Canada

in conjunction with
8th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining

Mohammed J. Zaki
Computer Science Dept.
Rensselaer Poly. Inst.
Troy, NY 12180, USA
zaki@cs.rpi.edu

Jason T. L. Wang
Computer Science Dept.
New Jersey Inst. Tech.
Newark, NJ 07102, USA
wangj@njit.edu

Hannu T. T. Toivonen
Computer Science Dept.
University of Helsinki
Finland
htoivone@cs.helsinki.fi

Foreword

Bioinformatics provides opportunities for developing novel data mining methods. Some of the grand challenges in bioinformatics include protein structure prediction, homology search, multiple alignment and phylogeny construction, genomic sequence analysis, gene finding and gene mapping, as well as applications in gene expression data analysis, drug discovery in pharmaceutical industry, etc. This workshop aims to present latest results in this important area at the intersection of biology and KDD.

The proceedings contain 10 papers (out of 16 submissions) that were accepted for presentation at the workshop. Each paper was reviewed by two or three members of the program committee. Along with one invited speaker, we were able to assemble a very exciting program.

We would like to thank all the authors, invited speaker, and attendees for contributing to the success of the workshop. Special thanks are due to the program committee and external referees for help in reviewing the submissions.

Sincerely,
Mohammed Zaki, Jason Wang, Hannu Toivonen (editors)

Workshop Co-Chairs

Mohammed J. Zaki, Rensselaer Polytechnic Institute, USA
Jason T. L. Wang, New Jersey Institute of Technology, USA
Hannu T.T. Toivonen, University of Helsinki, Finland

Program Committee

Henrik Bostrom, Stockholm University, Sweden
Julie Dickerson, Iowa State University, USA
Mark Embrechts, Rensselaer Polytechnic Institute, USA
Hasan Jamil, Mississippi State University, USA
George Karypis, University of Minnesota, USA
Sun Kim, Indiana University, USA
Simon Lin, Duke University, USA
Hiroshi Mamitsuka, Kyoto University, Japan
Shinichi Morishita, University of Tokyo, Japan
William S. Noble, Columbia University, USA
Zoran Obradovic, Temple University, USA
David Page, University of Wisconsin, USA
Laxmi Parida, IBM T.J. Watson Research Center, USA
Srinivasan Parthasarathy, Ohio State University, USA
William H. Piel, University at Buffalo, USA
Joerg Sander, University of Alberta, Canada
Bruce Shapiro, National Cancer Institute, USA
Limsoon Wong, Labs for IT, Singapore
Cathy Wu, Georgetown University Medical Center, USA
Aidong Zhang, University at Buffalo, USA