Intelligent Data Analysis in Medicine and Pharmacology
Stanford University, U.S.A., September 6, 2004

Important Dates

- Paper Submission
  June 25, 2004

- Notification
  July 15, 2004

- Camera-Ready
  July 30, 2004

Local Organizing Committee

Mark Musen (local chair), Samson Tu, Amar Das, Stanford University, Stanford, USA

Program Committee

Blaz Zupan, John H. Holmes (chairs), Lars Asker, Ameen Abu-Hanna, J. Robert Beck, Riccardo Bellazzi, Carlo Combi, Janez Demsar, Michel Dojat, Dragan Gamberger, Werner Horn, George Hripcsak, Jim Hunter, Elpida Keravnou-Papaeliou, Matjaz Kukar, Casimir A. Kulikowski, Nada Lavrac, Xiaohui Liu, Peter Lucas, Katharina Morik, Lucila Ohno-Machado, Silvia Miksch, Niels Peek, Steve Rees, Paola Sebastiani, Yuval Shahar, Adam B. Wilcox

IDAMAP-2004 is the ninth workshop on intelligent data analysis in medicine and pharmacology and will be held just prior to MEDINFO Conference.

The IDAMAP workshop series is devoted to computational methods for data analysis in medicine, biology and pharmacology that present results of analysis in the form communicable to domain experts and that somehow exploit expert knowledge of the problem domain. Typical methods include data mining, temporal abstraction, machine learning, and data visualization.

Gathering in an informal setting, workshop participants will have the opportunity to meet and discuss selected technical topics in an atmosphere which fosters the active exchange of ideas among researchers and practitioners. The workshop is intended to be a genuinely interactive event, thus ample time will be allotted for general discussion.

Workshop Program, Submissions and Registration

The scientific program of the workshop will consist of presentations of invited and accepted papers and panel discussion. Paper submissions addressing the methodological issues relevant to the workshops as well as papers describing particular biomedical applications or data analysis tools are invited.

For details on registration, and submission and preparation of papers see workshop's web page (http://idamap.org/idamap2004).

Accepted papers will be published as workshop notes. A subsequent publication of selected and revised papers in peer-reviewed journal is

Topics

- data mining techniques, including machine learning, clustering, neural networks, SVM, etc.

- other techniques for predictive modeling,

- data visualization,

- analysis of large data sets,

- relational data mining,

- interpretation of time-ordered data,

- knowledge representation and management,

- utility of background knowledge,

- integration of intelligent data analysis techniques within biomedical information systems.

Invited Talks

IDAMAP-2004 will feature two invited talks. **Michael Kattan** from Memorial Sloan-Kettering Cancer Center in New York will give a talk on cancer prediction models and their utility in clinical practice, and **Marco Ramoni** from Harvard Medical School in Boston will talk on Bayesian networks for integrative genomics.