

Editor's Notes

It is my pleasure to bring you the last issue of the SIGMOD Record for year 2001. A main feature of this issue is the special section on Data Mining for Intrusion Detection and Threat Analysis. This section is guest edited by Daniel Barbara. The section begins with an introduction by the guest editor, followed by six technical papers spanning a wide variety of topics, ranging from building intrusion detection systems using data mining to privacy of sensitive data and techniques that prevent misuse of data mining techniques for intrusion detection.

Another feature of this issue is the contributions from three newly introduced sections: Book Reviews, Career Forum, and Distinguished DB Profiles. The Book Reviews section starts with an introduction by Karl Aberer, followed by two reviews. The first book review is written by Marc Scholl of University of Konstanz. It discusses several interesting aspects of the textbook written by Gerhard Weikum and Gottfried Vossen, titled *Transactional Information Systems: Theory, Algorithms, and the Practice of Concurrency Control and Recovery*. The second review is contributed by H.V. Jagadish of University of Michigan. The book is titled *Information Warfare and Security* by Dorothy E. Denning. Jagadish presents his review with a number of appealing and personal touches.

The Career Forum section presents the first career article on job search experiences. The article was written by Ugur Cetintemel, who recently joined the CS faculty at Brown University after receiving his Ph.D. from University of Maryland. In addition, Alexandros Labrinidis gives an overview of the objectives and call for articles for Career Forum.

The Distinguished Database Profiles section reports an interview with Professor Gio Wiederhold, contributed by Marianne Winslett. Gio told several compelling stories about his career, including his move into academia in mid-career, his experience as a program manager in a funding agency, and his belief of what takes to be an effective consultant.

In addition to two workshop report articles, and three contributions in the Influential Papers section, this issue also includes an article by Luca Cardelli, introducing a language for describing semi-structured data. In the Standard section Jim Melton and Andrew Eisenberg contributed an article on SQL Multimedia and Application Packages, called SQL/MM. This issue also includes an article in the industry perspective section, which provides an overview of the SIGMOD 2001 industry sessions, and an article in the Research Centers section, featuring the ongoing research projects on semantic information integration at the LSDIS lab in University of Georgia. I would also like to share with you an interesting article in the Systems and Prototypes section. This article reviews the experiences of a Berkeley team, led by Michael Franklin and Joseph Hellerstein, in building the Telegraph Dataflow system.

In closing, I would like to thank the guest editor Daniel Barbara for bringing our readers with this timely and thought-provoking special topic section on intrusion detection and threat analysis. I would also like to thank the associate editors and the authors for their contributions to this issue. I hope you enjoy reading this issue.

Ling Liu
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