

Preface

With advances in the Internet and technologies around the World-Wide Web, research on design, implementation, and management of Internet and Web-based information systems has become increasingly important. As more and more information of diverse types becomes available on the Internet and Web, the management and the manipulation of information over the Internet become more complex and extremely difficult. Novel approaches to developing and managing Internet and Web information systems are in high demand. Following the successful conferences in 2000 and 2001, WAIM 2002 continued to provide a forum for researchers, professionals, and industrial practitioners from around the world to share their rapidly evolving knowledge and to report on new advances in Web-based information systems.

WAIM 2002 received an overwhelming 169 submissions from Australia, Austria, Brazil, Canada, China, Czech Republic, France, Germany, Hong Kong, Italy, Japan, Korea, Norway, Portugal, Singapore, Slovenia, Spain, Switzerland, Taiwan, UK, and USA. Through a careful review process by the program committee, 26 papers were selected as *regular* papers and 14 as *short* papers for presentation at the conference. As indicated by these numbers, WAIM 2002 is extremely selective: 15% for regular papers, and 24% overall. The technical program covers a wide range of research areas including XML and web, spatio-temporal data, high dimensional data, data mining and learning, workflow and E-services, bioinformatics, views, OLAP, query optimization, and updates, etc. Two invited talks by Richard Hull (Bell Labs., USA) and Alberto Mendelzon (University of Toronto, Canada) were on XML and E-services. Two tutorials were given by Minos Garofalakis, Johannes Gehrke, and Rajeev Rastogi on stream data processing, and by Jian Yang on web services. In addition, systems were also chosen to be demonstrated at the conference. Regular and short papers and a brief summary of demos are included in these proceedings.

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