This volume includes articles presented at the 24th International Conference of the Chilean Computer Science Society (SCCC 2004) that was held on November 11-12, 2004, in Arica, Chile. This event was locally organized by the University of Tarapacá with the support of the University of Chile.

We received 32 submissions. One third of them came from Chile, and the others from eight countries of South America, North America, and Europe. An international program committee selected 16 articles based on criteria of quality, relevance, originality and presentation clarity. The papers accepted for presentation at SCCC 2004 cover diverse areas of Computer Science, including algorithms, data structures, databases, software engineering, programming languages, distributed processing, combinatorial optimization, and others.

The Chilean Computer Science Society seeks to facilitate the interchange of knowledge and experience among academics and professionals who work in the field of computing. This conference is one of the oldest and highest quality computer science conference in Latin America. It started more than 20 years ago, and it helps to bring work done in Latin America to the attention of computer scientists from around the world. It also helps to keep Latin American scientists and computer professionals up to date with major advances in the field.

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Gonzalo Navarro
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