ENC’04 is a symposium in computer science, organized by The Mexican Society of Computer Science (SMCC), in collaboration with several educational and research institutions across the country. The ENC started as a biannual conference gathering researchers, educators and scholars from around the world to present and discuss progresses, challenges and opportunities in Computer Science. This year we shortened the period and began an annual meeting.

The venue for ENC’04 was the city of Colima. Our host was the Universidad de Colima. With the enthusiastic participation of the computer science community, we hope ENC’04 has surpassed the achievements of previous editions of the conference, which were held in Queretaro (1997), Pachuca (1999), Aguascaliente (2001) and Tlaxcala (2003).

With this fifth edition, ENC aimed at continuing to provide a forum in Mexico for presentation and discussion of advances and new research in computer science; strengthening the sense of community among computer science researchers and practitioners in Mexico; as well as reinforcing our academic community's links with the global community through a high-quality international technical program.

The selection of papers followed a strict refereeing process by a renowned international committee. In addition to research papers in all areas of computer science, ENC featured a rich mix of discussion panels, plenary lectures and hands-on tutorials given by international lecturers and instructors invited by each of the Special Interest Groups of SMCC. We received over 200 contributions, and 47 were selected to be presented and published in this proceedings volume.

We also had six internationally renowned scholars as keynote speakers:

Ricardo Baeza-Yates, José Luis Marroquín and Edgar Chávez

The editors