



ENIEF'2004

XIV Congress on Numerical Methods and their Applications Bariloche, Argentina, 8-11 November 2004

For all inclusions under AMCA please contact:

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Organized by: Centro Atómico Bariloche, Comisión Nacional de Energía Atómica, Argentina.

Sponsored by: Asociación Argentina de Mecánica Computacional and Comisión Nacional de Energía Atómica.

Organizing Committee: G. Buscaglia (Chairman), D. Arnica, E. Dari, L. Guarracino, C. Mazufri, C. Padra, N. Silin and O. Zamonsky.

Topics: Submissions are encouraged in all areas of numerical methods, in particular in Solid and Fluid Mechanics; Heat and Mass Transfer; Structural Analysis; Bioengineering; Industrial and Environmental Applications; Mathematical Foundations; Optimal Design; Software Development; High Performance Computing.

Language: Submissions are accepted in Spanish, Portuguese and English. Most of the talks will be in Spanish, but participants of ENIEF conferences have good understanding of Portuguese and English.



Figure 1:
A summer view of Lake Nahuel Huapi, at Bariloche

Congress Location: Bariloche is one of the most important touristic centers of Argentina. It is a beautiful city in northern Patagonia, located in the majestic Andes mountains, on the southern shore of Nahuel Huapi Lake and at 770 meters above sea level. Located in the Patagonia ecotone, the scenery around Bariloche is extremely varied. The arid low hills and valleys of the steppe to the east merge with the snow-capped Andes with its typical Valdivian cold wet forest. Possible outdoor activities in November include sightseeing, trekking, biking, golfing, wild-trout fishing, among others. Frequent flights connect Bariloche with Buenos Aires, the capital and largest city of Argentina.

Student Paper Awards: Both graduate and undergraduate students are encouraged to submit papers to the Student Poster Session. Awards instituted by the AMCA will be granted at this Session for the first time. For the paper to be eligible, the student must be the its first author.

Instructions and deadlines: Participants should submit a 200-word abstract not later than March 10, 2004. Both printed and electronic abstracts are acceptable. Some Invited Sessions will be hosted. Proposals for Invited Sessions should be submitted not later than February 10, 2004. Full papers must be received by August 11 to be included in the conference proceedings.

Further information: G. Buscaglia, Centro Atómico Bariloche, 8400 Bariloche, Argentina. gustavo@cab.cnea.gov.ar. Or visit the web page: www.cab.cnea.gov.ar/enief.



ENIEF'2003

A SUCCESSFUL AND FRUITFUL MEETING OF FRIENDS

The XIII Congress on Numerical Methods and their Applications (ENIEF 2003) took place in Bahía Blanca, Argentina from 4 to 7 November 2003. AMCA (Argentine Association of Computational Mechanics) together with the Department of Engineering of the Universidad Nacional del Sur and the Bahía Blanca Regional Faculty of the Universidad Tecnológica Nacional were responsible for the organization. Marta B. Rosales (President), Victor H. Cortínez (Vice-President), Diana V. Bambill (Secretary) and the following members: Patricia M. Bellés, Mario J. Maurizi, Néstor F. Ortega, Raúl E. Rossi and Carlos A. Rossit composed the local committee.

More than 170 researchers and students gathered in this southern city. The papers presented covered topics such as Fluid Mechanics, Industrial Applications, Dynamic of Structures, Optimization, Structural Analysis, Dynamic of Systems and Control, Environmental Fluids and Porous Media, Heat Transfer, Damage and Fracture Mechanics, Algorithms, Visualization, Mesh Generation and Solid Mechanics. The proceedings, which included 190 papers (2911 pages), were issued in CD format and as a printed book of abstracts (207 pages).

Five international researchers were invited as plenary speakers: Rubens Sampaio and Guillermo Creus from Brazil, Gregory Kopp from Canada and, Antonio Huerta and Manuel Pastor Pérez from Spain. A very interesting videoconference was given by Eugenio Oñate from Barcelona, Spain. Unfortunately, Antonio Huerta was not able to attend the meeting due to personal reasons. The inaugural lecture by Manuel Pastor Pérez dealt with landslides (Modelización Numérica de Deslizamientos Rápidos). Prof. Sampaio gave a lecture on flexible bodies (Dinámica de Corpos Flexíveis: Desenvolvimento e Novos Desafios). The topic of Prof. Creus lecture was anisotropic plasticity (Modelos y Estrategias Numéricas en Plasticidad Anisotrópica). Gregory Kopp's lecture was entitled Simulating Pressure and Velocity Time Series with Artificial Neural Networks: Some Advantages and Pitfalls. Eugenio Oñate was "virtually" present with a videoconference about information and communications in technologies (ICT) entitled Las Nuevas Tecnologías en el Campo de la Ingeniería Civil y la Construcción.

The oral presentations were organized in three parallel sessions (44 altogether). There were also ten keynote lectures. Participants came from almost every part of Argentina and also from other countries (Brazil, Chile, Venezuela, Bolivia, Colombia, España, United States).

The Congress was a big success both in terms of the number of accepted papers, which surpassed the previous ENIEF's, and the number of participants. As usual, the quality of the presentations was excellent. The ENIEF's congresses as well as the MECOM's, have become a necessary place to disseminate knowledge and for researchers from Argentina and Latin America to keep in touch and promote new contacts. The multidisciplinary character of the event makes it an ideal forum to exchange techniques and approaches among different fields. This intense activity will continue during the next ENIEF 2004 in Bariloche, Argentina. •



Figure 1:
Participants at the Congress venue entrance



Figure 2:
A boat tour of Bahía Blanca harbour



Figure 3:
Invited Speaker Gregory Kopp with organisers



Figure 4:
Guillermo Creus before his plenary lecture.



Figure 5:
Manuel Pastor Perez chats to participants.

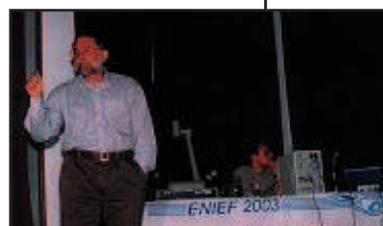


Figure 6:
R. Sampaio gives his plenary lecture.