



CIARP 2007

12th Iberoamerican Congress on Pattern Recognition

Final Call for Papers

November 13-16, Viña del Mar-Valparaíso, Chile

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The [12th Iberoamerican Congress on Pattern Recognition \(CIARP 2007\)](#) will be held in Viña del Mar-Valparaíso, Chile. CIARP 2007 is organized by the Informatics Engineering Departments of Universidad de Santiago de Chile (USACH) and Universidad Técnica Federico Santa María (USM), and sponsored by the Chilean Association on Computer Science (SCCC), the Mexican Association for Computer Vision, Neural Computing and Robotics (MACVNR), the Cuban Association for Pattern Recognition (ACRP), the Portuguese Association for Pattern Recognition (APRP), the Spanish Association for Pattern Recognition and Image Analysis (AERFAI), and the Special Interest Group on Pattern Recognition of the Brazilian Computer Society (SIGPR-SBC).

CIARP 2007, as all the eleven previous conferences, will be a forum for the exchange of scientific results and experiences, as well as the sharing of new knowledge, and the increasing of the co-operation between research groups in pattern recognition and related areas.

Internationally renowned professors will give Keynote Addresses and Tutorials.

- **Maria Petrou**, Head of the Communications and Signal Processing, Research Group Imperial College, London, UK.

Tutorial: "Reverse Engineering the human Vision System: Some techniques in image processing inspired by the functionality of the human vision system"

Keynote: "Learning for Computer Vision"

- **Anil Jain**, Department of Computer Science & Engineering, Michigan State University, USA.

Tutorial: "Biometric Recognition"

Keynote: "Biometric Recognition: Applications and Challenges"

- **Sorin Draghici**, Director of the Intelligent Systems and Bioinformatics Laboratory, Department of Computer Science, Wayne State University, USA.

Tutorial: "Applications of machine learning and pattern recognition in bioinformatics"

Keynote: "A systems biology approach to pathway analysis"

- **Horst Bunke**, Institute of Computer Science and Applied Mathematics (IAM), University of Bern, Switzerland

Keynote: "A Family of Novel Graph Kernels for Structural Pattern Recognition".

Topics

Authors are invited to submit contributions including, but not limited to the following areas:

Computer Vision
Bioinformatics
Data Mining
Natural Language Processing and Recognition
Document Processing and Recognition
Fuzzy and Hybrid Techniques in Pattern Recognition
Image Coding, Processing and Analysis
Industrial and Medical Applications of Pattern Recognition
Logical Combinatorial Pattern Recognition
Mathematical Morphology
Neural Networks
Artificial Intelligent Techniques and Recognition
Pattern Recognition Principles
Robotics & Remote Sensing Applications of Pattern Recognition
Shape and Texture Analysis
Signal Processing and Analysis
Special Hardware Architectures
Discrete Geometry
Voice and Speech Recognition
Parallel and Distributed Pattern Recognition
Clustering
Kernel Machines

General Co-chairs:

Max Chacón

Informatics Engineering Department, Universidad de Santiago de Chile
Chile

Héctor Allende

Informatics Engineering Department, Universidad Técnica Federico Santa María
Chile

Program Co-chairs:

Josef Kittler

Department of Electrical Engineering, Surrey University
United Kingdom

Luis Rueda

Department of Computer Science, Universidad de Concepción
Chile

Domingo Mery

Department of Computer Science, Pontificia Universidad Católica
Chile

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Department of Electrical Engineering, Universidad de La Frontera
Chile

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Aurélio Campilho (APRP, Portugal)
Eduardo Bayro-Corrochano (MACVNR, Mexico)
Herman Martins Gomes (SIGPR-SBC, Brazil)
Héctor Allende (AChiRP, Chile)

Paper Submission and Review Process

All the 10 A4-pages papers will be submitted in English, and must be presented at the conference in English. All submissions will be peer reviewed for originality, technical content and relevance to the theme of this conference by three members of the Scientific Committee. The reviewing process will be double-blind. For this, the authors must leave blank the name of the authors for the paper and any self-citation. Papers that do not adhere to this requirement will be rejected without going through the revision process.

The papers must be submitted electronically before ~~May 18, 2007~~, extended to **May 31, 2007** through the SUBMISSION option in the CIARP 2007 webpage. The papers should be prepared following the instructions from Springer LNCS series.

(see http://www.springer.com/sgw/cda/frontpage/0_5-164-2-72376-0_00.html).

Submission implies the willingness of at least one of the authors to register and to present the communication at the conference, if it is accepted. All accepted papers will be published in a LNCS volume by Springer upon registration of at least one of the authors.

