



Chilean Association  
for Pattern Recognition

November 15th – 18th, 2011  
Pucón, Chile



# 16 th Iberoamerican Congress on Pattern Recognition

IAPR-CIARP 2011 AWARD TO THE BEST PAPER  
AN SPECIAL ISSUE IN PATTERN RECOGNITION AREA IS PLANNED

The 16 th Iberoamerican Congress on Pattern Recognition CIARP 2011 will be held in Pucón, Chile, and is organized by the Chilean Association for Pattern Recognition (ACHiRP). This conference is supported by several scientific associations, including: International Association for Pattern Recognition (IAPR), Cuban Association for Pattern Recognition (ACPR), Mexican Association for Computer Vision, Neural Computing and Robotics (MACVNR), Portuguese Association for Pattern Recognition (APRP), Spanish Association for Pattern Recognition and Image Analysis (AERFAI), Special Interest Group on Pattern Recognition of the Brazilian Computer Society (SIGPR-SBC), and Chilean Association for Pattern Recognition (ACHiRP). This conference 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.

## KEYNOTE ADDRESSES

**Robert Duin**, Delft University of Technology  
*The Dissimilarity Representation for Pattern Recognition*  
**Walter Kropatsch**, Vienna University of Technology  
*Title is missing*  
**Luis Rueda**, University of Windsor  
*Pattern Analysis in Microarray Data*  
**Alejandro Frery**, Universidade Federal Alagoas  
*An information-theoretic approach to the analysis of speckled data*

## TUTORIALS

**Robert Duin**, Delft University of Technology  
*Issue of non-Euclidean data*  
**Walter Kropatsch**, Vienna University of Technology  
*Topological Pyramids and Computer Vision*  
**Luis Rueda**, University of Windsor  
*Proteomics: A Rich Source of Data for Pattern Discovery*

## Topics of interests

- Artificial Intelligence Techniques in PR
- Bioinformatics
- Clustering
- Computer Vision
- Data Mining
- DB, Knowledge Bases and Linguistic Tools
- Discrete Geometry
- Document Processing and Recognition
- Fuzzy and Hybrid Techniques in PR
- Image Coding, Processing and Analysis
- Kernel Machines
- Logical Combinatorial PR
- Mathematical Morphology
- Mathematical Theory of PR
- Natural Language Processing and PR
- Neural Networks for PR
- Parallel and Distributed PR
- Pattern Recognition Principles
- Robotics & Remote Sensing Applications of PR
- Cognitive Humanoid Vision
- Shape and Texture Analysis
- Signal Processing and Analysis
- Special Hardware Architectures
- Statistical Pattern Recognition
- Syntactical and Structural Pattern Recognition
- Voice and Speech Recognition

## Important Dates

Submission of papers: April 18th, 2011  
Notification of acceptance: June 30th, 2011  
Camera-ready: July 16th, 2011

## Co-Chairmen

César San Martín, Universidad de La Frontera, Chile  
Sang-Woon Kim, Myongji University, South Korea  
*Email:* [ciarp2011@ufro.cl](mailto:ciarp2011@ufro.cl)

## Paper Submission

All the 8 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 final acceptance will be based upon double blind peer review of the full length paper. The accepted papers will be included in the proceedings of the CIARP 2011, which will be published by Springer in Lecture Notes in Computer Science <http://www.springer.de/comp/lncs/index.html>.

The papers should be submitted electronically before April 18th, 2011, through the CIARP 2011 webpage [www.ciarp.org](http://www.ciarp.org). The papers should be prepared following the instructions from Springer LNCS series. (<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.