



## Invitation for CASI'2009 International Workshop

*Dear Colleague,*

The IEEE Geoscience and Remote Sensing Society (IEEE-GRSS) Technically-Co-Sponsored Workshop on Computational Advances in Intelligent Processing of Remote Sensing Imagery (CASI'2009, part of the 14<sup>th</sup> Iberoamerican Congress on Pattern Recognition, CIARP'2009) will take place on November 15 and 16, 2009 in Guadalajara, Mexico. You can find more information about the CIARP'2009 conference from website <http://www.gdl.cinvestav.mx/ciarp2009/>

The IEEE-GRSS Technically-Co-Sponsored Workshop CASI'20098 invites you to contribute with your presentation and participate in our event:

### **Computational Advances in Intelligent Processing Of Remote Sensing Imagery (CASI'2009)**

**November 15, 16, 2009, Guadalajara, Mexico**

**A workshop of the 2009 14<sup>th</sup> CIARP Congress  
(November 15–18, 2009, Guadalajara, Mexico)**

**2009 CIARP Website:** <http://www.gdl.cinvestav.mx/ciarp2009/>

**General:** The Organizing Committee of the 2009 14<sup>th</sup> Iberoamerican Congress on Pattern Recognition (CIARP'2009), the Geoscience and Remote Sensing Society and the Technical Program Committee (TPC) of the CASI'2009 Special Workshop (as part of CIARP'2009), we are pleased to invite you to present and discuss state-of-the-art developments concerning the computational advances in intelligent sensor and image processing related to new exiting areas for which remote sensing data have been transformational.

**Workshop Idea:** Due to the diversity and extremely large dimensionality of the multi-scale and multi-channel sensor signal data and image sets provided by latest-generation remote sensing observation instruments, there are no commonly accepted adaptive/collaborative intelligent signal/image processing architectures and techniques in the context of advanced computational support of different remote sensing missions that have rapidly created new processing challenges. The dominant idea of this CASI'2009 workshop is to bring together the researches and scientists from the international remote sensing and signal processing communities to present and discuss the state-of-the-art developments in the computational advances for intelligent multi sensor signal and image processing techniques with special emphasis on the remote sensing application areas. The CASI'2009 workshop will serve to consolidate the newly formed Mexican group of researchers who initiated this new area of remote sensing and Geoscience activities in Latin America oriented for the next generation of emerging remote sensors (adaptive imaging radars, multi-spectral SAR, multi-channel radiometers, fused distributed networks, adaptive optical and infrared sensors, etc.), providing at the same time a forum for fruitful discussions and exchange of the ideas with the international experts in the field.



**Workshop Sessions:** The CASI'2009 will be composed of several special sessions on different particular topics. The number of special sessions will depend on the final accepted submissions.

**Topics of Interest:** The CASI'2009 organizers invite to submit contributions in the following remote sensing (RS) advanced signal and image processing-related areas:

- \* Adaptive High Performance Techniques for RS Array Data & Image Processing
- \* Intelligent Experiment Design Concepts for High Performance RS Applications
- \* Parallel and Distributed Algorithm Design and Implementation in RS Imagery
- \* Adaptive Data Fusion and Imaging Techniques for High Performance RS Applications
- \* Feature Extraction, Signature Fields Mapping and RS Image Understanding
- \* Environmental Monitoring and Resource Management with RS Imagery
- \* Hardware/Software Co-Design for (Near) Real Time Intelligent RS Data Processing

**Important Dates:**

Full paper submission: (through the CIARP 2009 Paper Submission System)	-----	June 7, 2009
Review notification:	-----	August 1, 2009
Final revised manuscript:	-----	August 21, 2009
CASI Workshop (part of CIARP'2009):	-----	November 15, 16, 2009

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**CASI'2009 Organization:**

Workshop Co-Chairs: Yuriy Shkvarko (Mexico) > e-mail: [shkvarko@gdl.cinvestav.mx](mailto:shkvarko@gdl.cinvestav.mx)  
Sonia Gallegos (USA) > e-mail: [gallegos@nrlssc.navy.mil](mailto:gallegos@nrlssc.navy.mil)

Technical Program Committee (TPC): Melba Crawford (USA) Magdy Iskander (USA)  
Alex Gershman (Germany) Maria Greco (Italy)  
Fulvio Gini (Italy) Héctor Pérez Meana (Mexico)

Program Coordinator: Alejandro Castillo (Mexico) > e-mail: [acastillo@gdl.cinvestav.mx](mailto:acastillo@gdl.cinvestav.mx)

**Paper Submission:** <http://www.gdl.cinvestav.mx/ciarp2009/>  
In the Paper Submission System >>  
Select the topic in the Specified List of Topics:  
"Workshop CASI 2009"

The papers should be prepared following the instructions from Springer LNCS series (see "Instructions for Authors" from the CIARP'2009 Paper Submission System)

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**Welcome to Guadalajara, Mexico!**