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**NACIONAL**  
DE COLOMBIA

1-4 September 2013

Manizales - Colombia

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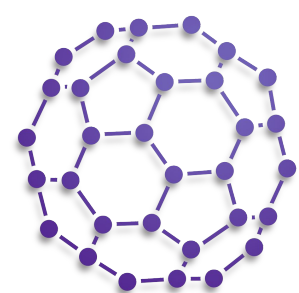
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DIMA Manizales' Research

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PCM

Computational Applications

# 5th Latin American Conference on Networked and Electronic Media (LACNEM-2013)

Incorporating the 1st Workshop on Applied Maths and Physics - WAMP

## Call for Papers

LACNEM

## Aims And Scope

Electronic Media is related to the storage and delivery of multimedia data using electromechanical energy to access content. Networked and Electronic Media (NEM) is the convergence of media, communications, consumer electronics, and information technology by taking advantage of generalized broadband access, increased mobility, availability of richer media formats and contents, as well as new home networks and communications platforms.

The Latin American Conference on Networked Electronic Media focuses on fostering closer links between Latin American and non Latin American players from academia and industry and intends to provide an ideal forum for students, researchers, practitioners and educators to discuss results and advancements in the field of Networked and Electronic Media (NEM), in a friendly, high quality and peer reviewed environment. Talks on hot topics and tutorials will be given by international keynote speakers. Full papers (6 pages max.) from academia, industry, NGOs and others should follow the conference guidelines for formatting and must be submitted via the on-line submission system. Accepted and presented papers in English will be considered for indexing in INSPEC. Further details on <http://www.lacnem.org/>.

## Keynote Speakers

Aggelos Katsaggelos Northwestern University (USA)

Ebroul Izquierdo Queen Mary University of London (UK)

Emanuele Trucco University of Dundee (Scotland, UK)

Oscar Corcho Universidad Politécnica de Madrid (SP)

Panos Liatsis City University London (UK)

## Special Sessions

Multimedia & Security

Signal Processing

Applied Physics

Applied Mathematics

Industrial/Medical Applications

Bioinformatics

## Topics include (indicative, not exclusive list)

### Multimedia

- Applications in Environmental Science, Biology and Medicine
- Cross-Layer and Cross-System Optimization
- Dynamic Resource Management and Bandwidth Assignment for Multimedia in Heterogeneous Wireless Networks
- IMS for Multimedia Services in Next Generation Networks
- Interactive Storytelling
- Multimedia Signal Processing
- Multi-view Stereo, Advanced Rendering and Visualization
- Novel Networked Media Systems to Support Human Creativity at the Cross Roads of ICT and Arts and Design Research
- Personalized Access to Media Systems
- P2P Multimedia
- QOE Multimedia for Future Internet
- Security Mechanisms and Mobility Management in Cooperative Networks
- Trust, Privacy, Security and Protection of Multimedia
- User and Device Location in Next Generation Networks
- User Interface Design and Evaluation
- User Generated Content Creation, Management and Consumption Systems

### Video & Image Analysis and Processing

- Image Processing
- Video Understanding

### Linguistics Engineering & Information Retrieval

- Visual and Semantic Information Retrieval
- Question Answering
- Natural Language Processing
- Automatic Summarization
- Machine Translation
- Information Extraction
- Sentiment Analysis
- Semantic Similarity

### We are encouraging the contribution of applied mathematics and physics papers on

- Image and Signal Processing
- Data and Big-Data Analysis
- Analysis, Algebra, Geometry and Topology Applications

## Important dates

- Paper submission deadline, 1 July 2013
- Notification of acceptance, 2 August 2013
- Camera-ready papers, 9 August 2013
- Early registration deadline, 9 August 2013