

JOURNAL of VLSI  
SIGNAL PROCESSING SYSTEMS  
for Signal, Image, and Video Technology

*Special Issue on*

**Digital and Computational Video**

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Topics of interest:

- Telemedicine
- Stereo vision
- Digital television
- Computed medical imaging
- Standards conversion
- Mass communications
- Motion estimation and Compensation
- Mathematical morphology
- Networked video
- 3D modeling
- Distance learning
- Digital arts and animation
- Camera on a chip
- Algorithms and software
- Microelectronics for video

This special issue is based on the recent third international workshop on Digital and Computational Video. It will provide a forum for experts from mathematical sciences, medicine, engineering, computer science, education, fine arts and television, to cross-fertilize ideas and to bridge cross-cultural differences.

The focus of the proposed special issue is to bring to the research and development community the latest research results and efforts at different levels: technologies, design paradigms, system integration, software-hardware codesign, high level architectures, sensors technologies, etc. The proposed issue will be a very useful resource for people who are just starting in this area, and will provide an update to those who have been working in the area. It will address some of the challenges these researchers are facing. Several examples of existing systems and prototypes will be included.

Authors should follow the KLUWER Journal manuscript format described at the journal site <http://www.kluweronline.com/>. Prospective authors should submit an electronic copy of their complete manuscript to the guest editor Magdy Bayoumi (mbayoumi@cacs.louisiana.edu) according to the following timetable:

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The *Journal of VLSI Signal Processing-Systems for Signal, Image, and Video Technology* is an archival peer-reviewed technical journal publishing survey and research papers on the implementation of signal processing systems with VLSI circuits. It is published in nine issues with distribution to engineers, researchers, and educators in the field of VLSI design and signal processing. A Volume Table of Contents is included in the last issue of each volume.

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