

Workshop on Parallel and Distributed Computing
in Image Processing, Video Processing, and Multi-
media (PDIVM'2000)

Organizers:

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Preface

In the recent years, computing with visual and multimedial data has emerged as a key technology in many areas. However, the creation, processing, and management of these data types require an enormous computational effort, often too high for single processor architectures. Therefore, this fact taken together with the inherent data parallelism in these data types makes image processing, video processing, and multimedia natural application areas for parallel and distributed computing.

The Workshop on Parallel and Distributed Computing for Image Processing, Video Processing, and Multimedia (PDIVM'2000) brings together practitioners and researchers working in all aspects of parallel and distributed computing in these fields. It may be seen as a continuation of the workshops on Parallel Processing and Multimedia held at IPPS'97 and IPPS/SPDP'98 with extended scope. The meeting serves as a forum for exchange of novel ideas on corresponding hardware developments, software tools, algorithms, system solutions, and all types of applications.

PDIVM'2000 aims to act as a platform for topics related, but not limited, to

- Parallel and distributed architectures and algorithms
- Dynamically reconfigurable architectures
- Parallel DSP systems and Media processors
- Application specific parallel architectures
- Languages, software environments and programming tools
- Parallel and distributed video and multimedia servers
- Networked multimedia systems, QoS techniques
- Applications, e.g. remote sensing, medical imaging, satellite image processing, set-top boxes, HDTV, mobile multimedia, cameras

Committees

Workshop Co-Chairs

Sethuraman Panchanathan, Arizona State University, USA
Andreas Uhl, Salzburg University, Austria

Program Committee

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