

FOR FURTHER INFORMATION PLEASE CONTACT:

Professor James S. Duncan
Department of Diagnostic Radiology
Yale University School of Medicine
333 Cedar Street
New Haven, CT 06520-8042
(203)785-2427

Professor Gene R. Gindi
Department of Radiology
State University of New York
Stony Brook, New York 11794-8460
(516) 444 2539

RELATED MEETINGS

1997 International Meeting on Fully 3D Image Reconstruction in Radiology and Nuclear Medicine
Pittsburgh, PA
June, 1997

XVth International Conference on Information Processing in Medical Imaging

First Announcement and call for papers

IPMI '97



Green Mountain College
Poultney, Vermont

June 9-13, 1997

IPMI '97

XVth International Conference on Information Processing in Medical Imaging

IPMI '97 is the XVth in the series of biennial conferences on Information Processing in Medical Imaging and follows the successful 1995 meeting in Brest, France. Computational techniques play a vital and ever expanding role in medical imaging. This conference is the latest in a series of unique and important meetings where new developments in the acquisition, analysis and display of medical images are presented, discussed, dissected and extended.

The meeting is held in the style of a workshop. By tradition, attendance is by application, and will be limited to 130 people for 1997. All participants are expected to make an active contribution by presenting papers, posters or demonstrations, and by joining discussions. There are no parallel sessions. Generous time is allocated to speakers and for discussion.

TOPICS

- Computer vision techniques useful in medical image analysis
- Analysis of image sequences and temporal data, especially cardiac datasets
- Image segmentation
- Feature extraction and pattern recognition
- Registration and fusion of data from different modalities
- Anatomical models and their use in image analysis
- Bayesian/entropy and other statistical methods useful in medical image processing
- New approaches to image formation
- Image reconstruction from underdetermined, multiplexed or noisy projections
- Use of prior information in image reconstruction and analysis
- Objective assessment of image quality
- Searching and sorting in medical image databases
- Estimation of quantitative parameters from images
- Display systems for visualization of multidimensional data
- Rule based systems and learning

LOCATION

IPMI '97 will be held on the campus of Green Mountain College in the southwestern part of the state of Vermont. The College is situated in the small town of Poultney, which is 20 miles west of Rutland, Vermont's second largest city. New York City, Boston and Montreal are a few hours away by interstate highway and there are daily commercial air flights from New York and Boston to nearby Albany and Burlington. Poultney is on the edge of Vermont's Green Mountains and is surrounded by several lakes, which are accessible for boating and sailing. The closest is Lake St. Catherine only 3 miles from the center of town.

COSTS

The registration fee will be approximately \$250 which includes the conference proceedings. The accommodations, including lodging and meals, for the week-long conference will be approximately \$250. Partial subsidies for travel, registration, and accommodations will be available for authors of accepted papers and for a limited number of students wishing to attend the conference.

SUBMISSION OF PAPERS

Submit four copies of a full paper (20 (8.5 inch x 11 inch) pages, double space, 12pt font, 1 inch margins, including figs, refs, etc.) and one summary page by NOVEMBER 1, 1996. The summary page should address the following questions: 1.) What is the original contribution of this work ? 2.) Why should this contribution be considered important ? 3.) What is the most closely related work by others and how does this work differ ? 4.) How can other researchers make use of this work ? 5.) If any part of this paper has been submitted to another conference or workshop, please state the meeting and also how this paper differs. Accepted papers will be published as a book and made available at the conference.

Please submit to:

Professor James S. Duncan
Department of Diagnostic Radiology
Yale University School of Medicine
333 Cedar Street
New Haven, CT 06520-8042

email: ipmi97@noodle.med.yale.edu

fax: 203-737-4273

URL: <http://noodle.med.yale.edu/ipmi97/>

CONFERENCE CALENDAR

November 1, 1996: Deadline for receipt of full manuscripts for review.

January 15, 1997: Notification of acceptance of papers.

February 15, 1997: Deadline for final receipt of camera-ready manuscripts accepted for presentation.

June 9-13, 1997: IPMI '97 Conference

SOCIAL EVENTS

Participants will be taken on a tour through the beautiful Green Mountain region in central Vermont. Plans include hiking opportunities (possibly in and around Killington Mountain Ski area) and a conference banquet. Complete description and information on arrangements will be available at a later date.

