

Information Processing in Medical Imaging

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PROCEEDINGS OF THE 10th INTERNATIONAL CONFERENCE
ON INFORMATION PROCESSING IN MEDICAL IMAGING

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P r e f a c e

This book summarizes the proceedings of the 10th international conference on Information Processing in Medical Imaging (IPMI-10), held in June, 1987, in Zeist, The Netherlands.

IPMI is a biennial conference, organized alternately in Europe and North America. The subject of the conference is the use of physics, mathematics, computer science, and engineering in the formation, processing and interpretation of medical images. The intent of the conference is to provide a forum where new ideas and results of research in medical imaging can be presented and amply discussed. Accordingly, the programme can comprise only a limited number of papers.

The scientific committee of IPMI-10 selected 41 papers for presentation, although a total of 102 extended abstracts of on the average high quality had been submitted. All selected contributions are included in these proceedings.

During of the preparations of the conference the organizers received the tragic news of the death of François Erbsmann, the initiator of IPMI, and organizer of the first conference in 1969 in Brussels. François always emphasized that the backbone of the IPMI meetings should be promising young and active researchers rather than established scientists in the field. As an appreciation of this idea, and in thankful remembrance of François' stimulating work, the IPMI-board has taken the initiative to present the François Erbsmann prize for the most significant contribution to the conference by a young investigator. At IPMI-10 the prize was awarded to John Gauch, Chapel Hill NC, USA, for his presentation "Multiresolution shape descriptions and their applications in medical imaging".

The success of a meeting primarily depends on the enthusiasm of the participants. It also greatly depends on the financial support as well as on the personal efforts of the programme committee and the local organizing committee. To all who made this conference a success, the organizers wish to express their sincere thanks.

C.N. de Graaf
M.A. Viergever

Utrecht, September 1987

C o n t e n t s

General Image Processing	1
Webb S: Significance and complexity in medical images - space variant texture dependent filtering.	3
Bookstein FL: Toward a notion of feature extraction for plane mappings.	23
Bloch I, Preteux F, Boulanger F, Soussaline F: A meta-model for segmentation problems in mathematical morphology.	45
Toet A, Werkhoven P, Nienhuis B, Koenderink JJ, O Ying Lie: Optic flow estimation by adaptive affine transform.	65
Gerlot P, Bizais Y: Image registration: a review and a strategy for medical applications.	81
Ortendahl DA, Carlson JW: Segmentation of magnetic resonance images using fuzzy clustering.	91
Lifshitz LM, Pizer SM: A multiresolution hierarchical approach to image segmentation based on intensity extrema.	107
Gauch JM, Oliver WR, Pizer SM: Multiresolution shape descriptions and their applications in medical imaging.	131
Barrett HH, Aarsvold JN, Barber HB, Cargill EB, Fiete RD, Hickernell TS, Milster TD, Myers KJ, Patton DD, Rowe RK, Seacat III RH, Smith WE, Woolfenden JM: Applications of statistical decision theory in nuclear medicine.	151
Image Reconstruction and Restoration	167
Defrise M, Clack R, Townsend D: New techniques for truly three-dimensional image reconstruction.	169
Gullberg GT, Tsui BMW: Maximum entropy reconstruction with constraints: iterative algorithms for solving the primal and dual programs.	181

Llacer J, Veklerov E: The maximum likelihood estimator method of image reconstruction: its fundamental characteristics and their origin.	201
Tanaka E: A filtered iterative reconstruction algorithm for positron emission tomography.	217
Breckon W, Pidcock M: Ill-posedness and non-linearity in electrical impedance tomography.	235
Zeeberg BR, Bice AN, Loncaric S, Wagner Jr HN: A theoretically-correct algorithm to compensate for a three-dimensional spatially-variant point spread function in SPECT imaging.	245
Jennison C, Jubb M: Statistical image restoration and refinement.	255
Yanch JC, Webb S, Flower MA, Irvine AT: Constrained deconvolution to remove resolution degradation caused by scatter in SPECT.	263
Todd-Pokropek A: Non-stationary deconvolution using a multi-resolution stack.	277
Expert systems, Pacs, Image compression	291
Backer E, Gerbrands JJ, Bloom G, Reiber JHC, Reijs AEM, van den Herik HJ: Developments towards an expert system for the quantitative analysis of Thallium-201 scintigrams.	293
Van Cleynenbreugel J, Fierens F, Smets C, Suetens P, Oosterlinck A: Knowledge-based segmentation of subtraction angiograms.	307
Maguire Jr GQ, Noz ME, Bakker A, Bijl K, Didden H, de Valk JPJ: Introduction to PACS for those interested in image processing.	315
Appledom CR, Todd-Pokropek A: Error-free data compression methods applicable to PACS.	325
Peters JH, Roos P, van Dijke MCA, Viergever MA: Loss-less image compression in digital angiography.	335
Display & Workstations	347
Robb RA, Stacy MC, McEwan CN: A networked workstation approach to multi-dimensional biomedical image analysis.	349
Austin JD, Pizer SM: A multiprocessor adaptive histogram equalization machine.	375
Geissbühler A, Townsend D, Kuijk S: A graphics workstation for PET data acquisition and display.	393

Höhne KH, Riemer M, Tiede U, Bomans M: Volume rendering of 3D-tomographic imagery.	403
Applications 1: DSA, Ultrasound, NMR	413
Fitzpatrick JM, Grefenstette JJ, Pickens DR, Mazer M, Perry JM: A system for image registration in digital subtraction angiography.	415
Insana MF, Wagner RF, Brown DG, Garra BS: On the information content of diagnostic ultrasound.	437
Duncan JS, Staib LH: Left ventricular motion and shape analysis using multiple imaging modalities.	457
Jungke M, von Seelen W, Bielke G, Meindl S, Grigat M, Pfannenstiel P: A system for the diagnostic use of tissue characterizing parameters in NMR-tomography.	471
Moerland MA, Bakker CJG, de Graaf CN: Concerning the derivation and representation of parameter images in NMR imaging.	483
Applications 2: Nuclear Medicine, SPECT, PET	497
Šámal M, Sůrová H, Kárný M, Maříková E, Pěnička P, Dienstbier Z: The reality and meaning of physiological factors.	499
Nijran KS, Barber DC: The importance of constraints in factor analysis of dynamic studies.	521
Fidler V, Prepadnik M, Rakovec P, Fettich J, Hojker S, Grošelj C, Porenta M: Intelligent triggering of multigated studies.	531
Sychra JJ, Pavel DG, Olea E: Multi-parametric classification images of cardiac LV RWMA in nuclear medicine.	539
Goris ML: Two dimensional mapping of three dimensional SPECT data: a preliminary step to the quantitation of Thallium myocardial perfusion single photon emission tomography.	551
Bailey DL, Hutton BF: Simultaneous emission and transmission tomography.	559
Townsend D, Clack R, Defrise M, Tochon-Danguy HJ, Frey P, Kuijk S, Deconinck F: Quantitation with the HIDAC positron camera.	577
Rowe RW, Merhige ME, Bendriem B, Gould KL: Region of interest determination for quantitative evaluation of myocardial ischemia from PET images.	591
Chen CT, Pelizzari CA, Chen GTY, Cooper MD, Levin DN: Image analysis of PET data with the aid of CT and MR images.	601
Participants	613
Index	619