Parallel Sessions (Thursday/Friday)

- * Software Specifications and Verification A. Mili -9:00-5:00
- * Programming and Software Engineering Environments - N. Madhavji - 9:00-5:00
- * Office Automation: Strategic Planning Process -L. Martin - 9:00-5:00
- * Micros to Supermicros G. Ratzer 9:00-5:00
- * Networks C. Tropper 9:00-5:00
- * Data bases T. Merrett 9:00-5:00

Information

For more information please contact Edward Burnett, McGill University, Center for Continuing Education, McGill Summer Institute of Computer Science, Redpath Library Bldg., 3461 McTavish Street, Montreal, PQ, Canada H3A 1Y1 (514) 392-4905.

THIRD WORKSHOP ON COMPUTER VISION: REPRESENTATION AND CONTROL

Hilton Shanty Creek Conference & Resort Center, Bellair, Michigan

October 13-16, 1985

Sponsored by the IEEE Computer Society Pattern Analysis and Machine Intelligence TC Industrial Sponsor: Machine Vision International

General Chairmain: Registration Chairman: Roger W. Ehrich

Linda G. Shapiro

Program Committee:

Avi Kak (Chairman)

Bob Bolles Ellen Hildreth Ramesh Jain Azriel Rosenfeld Stanley Sternberg John Tsotsos

Paper deadline was April 1, 1985. Papers on the following topics and related areas were solicited:

- * Knowledge-Based Vision Systems
- * Robot Vision
- * 3D Modeling and Object Recognition
- * Automatic Interpretation of Range Data
- * Autonomous Vehicle Navigation
- * Time-Varying Image Analysis
- * Stereo Vision
- * Integrated Vision Systems

Information

Hilton Shanty Creek, approximately 35 miles northwest of Traverse City, Michigan has been rated as one of the top 21 resorts in the nation by the Mobile Travel Guide, and recognized as one of the "outstanding resorts in Mid-America" by Better Homes and Gardens. The AAA rates it excellent. It is a beautiful contemporary hilltop resort with a luxurious main lodge, handsome dining rooms and warmly appointed lounges on 1,282 acres of scenic splen-

The Traverse City airport is served by Republic Airlines' DC 9's, with nine direct flights daily: Chicago, Detroit, etc.

SELECTED AI-RELATED DISSERTATIONS

Assembled by: Susanne M. Humphrey **Bob Krovetz National Library of Medicine** Bethesda, MD 20209

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The online file includes abstracts, which are not published in this listing, but the citations below do include the DAI reference for finding the abstract in the published Other elements of the citation are author; title; university, year, and, if available, number of pages; and DAI subject category chosen by the author of the dissertation. References are sorted first by DAI subject category and second by author.

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BOOK REVIEW

Readings in Medical Artificial Intelligence

William J. Clancey and Edward Shortliffe, Editors

Reviewed by:

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Addison-Wesley Publishing Co, Reading, MA.

This volume is a collection of twenty-one articles on AI systems "concerned primarily with diagnosis and therapy" (p. 4). Eighteen are already published, one is based on a doctoral dissertation, and the remaining two, the first and the last ones, were written by the editors, William J. Clancey and Edward H. Shortliffe of Stanford University, especially for this book. Each article appears as a separate chapter introduced by a tow-page essay explaining its relevance and its relation to other work.

In the preface, the editors explain that the book was born of requests fo a "readily available collection of readings" following the 1980 Workshop on Artificial Intelligence in Medicine. The chapters were originally published in the Medical or Artificial Intelligence literature in the years from 1973 to 1983. The subtitle of the book (The First Decade) seems therefore appropriate, even though medical applications of computers predating 1970 are described. The authors acknowledge that the book "is by no means an exhaustive review of AIM [Artificial Intelligence in Medicine] work during the period 1971-1981." The articles "included were selected to provide a broad coverage of issues, as well as to exemplify what we consider some of the best and most influential work in the field" (from the Preface). The reviewer agrees with this assessment.

Chapter 1, <u>Introduction: Medical Artificial Intelligence Programs</u>, is excellent. It is written for the reader with a medical background, but AI researchers will find it useful.