

Proceedings of

MVA '90

IAPR Workshop on Machine Vision Applications

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TOKYO, JAPAN**



SPONSORED BY
International Association
for Pattern Recognition
Technical Committees, 6, 8 and 10

Proceedings of

IAPR Workshop on

MACHINE VISION APPLICATIONS

November 28-30, 1990

Kokubunji, Tokyo, Japan

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IAPR Workshop on
MACHINE VISION APPLICATIONS
(IAPR MVA '90)

November 28-30, 1990

Central Research Laboratory
Hitachi, Ltd.

Kokubunji, Tokyo, Japan

Sponsored by:

International Association for Pattern Recognition (IAPR)
Technical Committees 6, 8, and 10

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Message from a Workshop Chairman

It is a great pleasure and honor to welcome all participants to the IAPR's 1990 Workshop on Machine Vision Applications (IAPR MVA '90). This workshop brings together participants from various academic and industrial fields from around the world to exchange the latest knowledge and ideas for the advancement of machine vision technology. In this workshop, special emphasis will be placed on the application-oriented aspect of vision technologies, though the fruits of its predecessor, the IAPR's Workshop on Computer Vision (IAPR CV '88) held in Tokyo two years ago, will be incorporated.

The workshop is co-sponsored by three IAPR Technical Committees(TC). These committees and the fields they cover are:

- TC 6: Special-purpose architecture,
- TC 8: Applications in industry, and
- TC 10: Graphics recognition.

TC 6 is chaired by Prof. Pieter Jonker of the Delft University of Technology. I, Masakazu Ejiri, have had the honor of overseeing TC 8. Prof. Rangachar Kasturi of Pennsylvania State University chairs TC 10. All three of us also serve as co-chairmen of this workshop. Special presentations on the state of the art in these three fields are to be given by Dr. Jorge Sanz (TC 8) of IBM's Almaden Research Center as well as by Prof. Jonker (TC 6) and Prof. Kasturi (TC10).

Organizing the workshop and selecting papers have really been challenging work. About one hundred papers are to be presented orally or with posters. They were selected from over 200 abstracts. In this regard, Prof. Mikio Takagi, former vice president of the IAPR and the organizing committee chairman of this workshop, and Dr. Katsuhiko Sakaue, chairman of the program committee of this workshop, have exhibited excellent leadership. Moreover, their committees, consisting of most of the members who worked together on the past IAPR CV '88 workshop in 1988 as well as members of the present IAPR TCs, have made outstanding efforts to successfully carry out their work.

We have also received a lot of support from various academic and industrial societies in Japan. In addition, many "behind-the-scene" volunteers have helped us enormously in assembling the program. Also noteworthy is the excellent assistance and support received from members of Hitachi's Central Research Laboratory, headed by General Manager Dr. Hisashi Horikoshi, to make the local arrangements comfortable for each and every participant.

On behalf of the co-chairmen of this workshop and the IAPR, I would like to express my heartfelt gratitude to all of these people. I also extend my sincere thanks to the participants, and hope that they all find the workshop a rewarding and enjoyable event by making new friends, renewing old friendships, listening to new results, and discussing future directions so that machine vision technology flourishes for the benefit of society in the years to come.

Masakazu Ejiri
Workshop Co-chairman of the IAPR MVA '90
and Vice President of the IAPR

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