Proceedings of

MVA '92

IAPR Workshop on Machine Vision Applications

DECEMBER 7-9,1992
TOKYO, JAPAN

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

Proceedings of

IAPR Workshop on

MACHINE VISION APPLICATIONS

December 7-9, 1992

Minato-ku, Tokyo, Japan

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IAPR Workshop on

MACHINE VISION APPLICATIONS

(IAPR MVA '92)

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NEC SUPER TOWER

Minato-ku, Tokyo, Japan

Sponsored by:

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Johji TAJIMA,	*NEC Corporation*

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Message from a Workshop Chair

This workshop (MVA'92) is practically the third IAPR workshop for machine vision applications held in Tokyo. The first workshop was called IAPR CV '88, slightly different name from its present one, and took place at Nichidai-kaikan in October, 1988. The second workshop was called MVA'90 and took place at Hitachi's Central Research Laboratory in November, 1990. In the same way as for MVA'90, MVA'92 is co-sponsored by the following three IAPR Technical Committees(TCs).

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

Recently, a plenty of international conferences have been held in the computer vision field. Their main study area is concerned with the understanding of three dimensional scenes, where novel theories are being developed. However, machine vision systems in practical use are not yet sufficient, even for two-dimensional image recognition. Innovation is expected also in such traditional fields. We should strongly support research efforts in these fields as well.

MVA'92 is one of a small number of international meetings on machine vision, whose name involve 'applications'. We would like to stress research efforts that can be applied to real systems, through which the computer vision will become a feasible technique. Special hardware and systems also play an important role in putting rather complicated new algorithms into a useful system.

To our astonishment, 240 abstracts were submitted. This is the largest number up to now. From them, 40 oral presentations and 109 poster presentations were accepted. Authors are foreseen to come from 21 countries. In addition to submitted papers, four invited talks are presented. We thank the speakers -- Prof. Alex P. Pentland (MIT), Prof. Kendall Preston, Jr. (Kensal Consulting), Prof. Claus E. Liedtke (Uni. Hannover) and Dr. Karl Tombre (INRIA) -- for accepting our invitation.

The preparation for MVA'92 was made possible by much work by Prof. Mikio Takagi (Workshop Co-chair), Dr. Masakazu Ejiri (Organizing Chair), Dr.Yasuhito Suenaga (Program Chair) and other committee members. Last, but not least, I wish to thank local arrangement committee members, NEC Corporation, for their excellent assistance in actualizing the workshop in NEC SUPER TOWER.

Johji Tajima
Co-chair, MVA'92

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