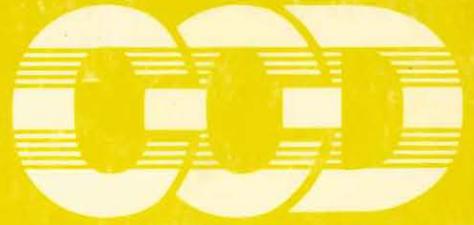


M. H. WHITE



**1975
INTERNATIONAL
CONFERENCE
ON THE
APPLICATION OF
CHARGE-COUPLED
DEVICES**

29-31 October

PROCEEDINGS

Sponsored by

Naval Electronics Laboratory Center
San Diego, CA 92152

Deyn Baber - Rm # 908
Steve Emery - Rm # B-60

FOREWORD

The 1975 Charge-Coupled Device (CCD) Applications Conference marks the third such event entirely devoted to presentation of ideas, problems and solutions in this new phase of the semiconductor technology.

Pursuing the guidelines established at the first Conference which was held in 1973 at the Naval Electronics Laboratory Center, San Diego, California, this Conference aims to reflect the impact of device concept in design for improved performance and lower cost of present and future systems. Technology has been extended to a high level of sophistication in the move from the laboratory demonstration to varied applications, such as development of focal plane infrared (IR) arrays, analog and digital signal processors, imagers and memory components.

This year the technical presentations reflect the fact that there is more to CCD than the television camera. There are five main sessions including a double session on signal processors. The assortment of areas illustrates the wide technical scope of CCD development at this period of time. Each session is structured around one or two invited papers which are followed by the contribution papers. The invited papers describe the device technological approach and its characteristics and in general the contributed papers state current system limitations and demonstrate how the inclusion of a CCD device results in an enhanced overall performance. The "Characterization" session has been included to cover specific topics common to various application areas such as radiation effects or techniques for signal linearization.

Special appreciation is expressed to members of the Program Committee for their contributions to produce this program.

ISAAC LAGNADO

CCD '75 Conference Chairman

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Invited papers 3 30 min total
Submitted papers 3 20 min

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