



**1995 IEEE Workshop on
Charge-Coupled Devices and Advanced Image Sensors**

April 20-22, 1995

Dana Point Resort, Dana Point, California, USA



Sponsored by IEEE Electron Devices Society

In cooperation with:

**NASA Jet Propulsion Laboratory
Center for Space Microelectronics Technology**

Institute of Television Engineers of Japan (ITEJ)

Welcome

It is a pleasure to welcome you to the 1995 IEEE Workshop on CCDs and Advanced Image Sensors. The purpose of the workshop is to discuss recent research results, provide in-depth discussion of common technical issues, and stimulate thinking about new research directions and activities. It is intended that most of the workshop participants be active members of the CCD and advanced image sensor R&D community. To provide a reasonable atmosphere for discussion, attendance has been limited to approximately 100 persons, on a first-come, first-served basis. The workshop is sponsored by the IEEE Electron Devices Society in cooperation with the NASA Jet Propulsion Laboratory (JPL) Center for Space Microelectronics Technology (CSMT) and the Institute of Television Engineers of Japan (ITEJ).

The program allows for the oral presentation of 42 papers. Some of these papers will be presented as brief oral papers followed by a poster presentation and reception. The program includes papers on 1/4-inch CCDs, wafer-scale CCDs, CCD modeling, CMOS active pixel sensors, CMOS smart sensors, and novel CCD structures. Papers will be presented from Japan, Taiwan, the United States, Canada, Belgium, England, and the Netherlands.

This workshop is the fifth in a series that started in 1986 at Columbia University's Arden House in Harriman New York followed by a second meeting in 1990 at the same location. In 1991 and 1993 the workshop was held at the University of Waterloo, Waterloo, Canada. This is the first meeting to be held at the Dana Point Resort, and it is anticipated that the meeting will continue in various locations on a biannual basis in the future. This year, for the first time, papers on CMOS and active pixel sensors (APS) constitute nearly half the technical program.

On behalf of the organizing committee, I would like to thank the participants, authors and program committee for their contributions to a stimulating and rewarding workshop.

Eric R. Fossum
Chairman

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