



3rd International Conference

**The Technology and Applications
of Charge Coupled Devices**

**Organised by
University of Edinburgh Centre for Industrial Consultancy and
Liaison in association with the Electronics Division of the
Institution of Electrical Engineers and the Royal Signals and
Radar Establishment.**

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This Conference was promoted by the University of Edinburgh Centre for Industrial Consultancy and Liaison as part of their function of fostering greater liaison between the University and Industry.

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FOREWORD

CCD '76 is the third International Conference devoted entirely to the Technology and Applications of Charge-Coupled Devices.

The success of CCD '74 in Edinburgh and CCD '75 in San Diego, together with the sustained development of charge-coupled devices in their various roles, underlined the need for this third conference on charge-coupled devices.

These Proceedings comprise the papers of the five Conference sessions; one on significant technological development, three covering the major application areas of imaging, memory and signal processing, and a final session on systems with special emphasis on television. An important feature of the previous Conferences has been the inclusion of invited review papers in each session and, once again, reviewers of international standing give keynote papers. A comprehensive coverage of the latest advances in the subject is given by over forty high quality contributed papers from Industry, Government and the Universities.

The Steering Board and Programme Committee are convinced that CCD '76 will again provide a suitable forum for the exchange of ideas on the potential and limitations of the versatile charge-coupled device, and that these Proceedings will constitute a valuable source of reference material on CCD development in 1976.

The Conference Vice-Chairman, Dr. G.F. Vanstone of RSRE, Malvern, and I, take great pleasure in thanking the members of the Programme Committee for their efforts in soliciting and refereeing the papers. The efforts of our advisers in fostering the cause of CCD '76 is also greatly appreciated. We would acknowledge, too, the assistance of the Institution of Electrical Engineers and the Royal Signals and Radar Establishment, and the University of Edinburgh's Centre for Industrial Consultancy and Liaison for their organisational and secretarial services.

A handwritten signature in cursive script, reading "John Mavor", with a horizontal line underneath it.

JOHN MAVOR
Chairman CCD '76 and Proceedings Editor

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