

# Fifteenth Pfefferkorn Conference on

## Signal and Image Processing 1996

held at Silver Bay, NY, during May 18-22, 1996

### Foreword

The 15th Pfefferkorn Conference on Signal and Image Processing, held in Silver Bay in 1996, covered a broad range of topics: three-dimensional reconstruction, image restoration and synthesis from sets of recordings, hardware and software tools of particular relevance for electron images, holography and interferometry and energy spectral techniques. We greatly regret that these proceedings did not appear shortly after the conference, as originally promised, for considerable efforts were made by authors, referees and editors to prepare the text rapidly for publication. The landscape in this research area changes rapidly and the papers in their final form contained much new and valuable material. Unfortunately, Om Johari, the Conference Director who has handled the whole publication process in the past, fell ill and we are fortunate that Godfried Roomans (University of Uppsala) agreed to add the final editing and formatings of these proceedings to all his other work for Scanning Microscopy International. But we are convinced that, even after this long delay, the proceedings will serve a real purpose. Those of the two preceding Pfefferkorn Conferences on this theme have been heavily used for they offer authoritative statements on many aspects of the subject and we believe that the proceedings of this third meeting will likewise be consulted for some years to come. We are most grateful to the contributors for the care they have brought to the preparation of their manuscripts and to Godfried Roomans for saving them - in extremis - from oblivion.

Peter Hawkes, National Centre for Scientific Research (CEMES-CNRS), Toulouse  
Joachim Frank, Howard Hughes Medical Institute, Health Research Inc. at Wadsworth Center, Albany  
Owen Saxton, Cambridge University Department of Materials Science and Metallurgy

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Conference Sponsored by

John D. Fairing  
Godfried M. Roomans  
Om Johari

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Scanning Microscopy International is deeply grateful to the organizers for their efforts in bringing together experts in this field for the 15th Pfefferkorn Conference and putting together a successful meeting.

**OM Johari**, Conference Director