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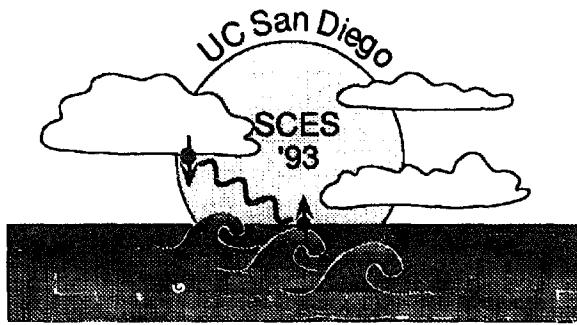
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Proceedings of the International Conference
on Strongly Correlated Electron Systems

SCES '93

held in San Diego, USA
16–19 August 1993



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Preface

The International Conference on Strongly Correlated Electron Systems, 'SCES'93' was the heir to a long series of specialized condensed matter meetings variously labelled over the years 'crystal field', 'anomalous f-electron systems', 'highly correlated' and the like. Perhaps the first was a conference held in Montreal in the early seventies when crystalline electric field effects in metallic systems were first recognized as an important feature of f-electron magnetism. Subsequent years saw the discovery of the influence of strongly correlated f-electron behavior on superconductivity and ordered magnetism (sometimes in the same material), very low temperature coherence effects, cuprate high-temperature superconductivity, Kondo insulators and others, all now conveniently labelled 'strongly correlated electron systems'.

SCES'93 was held on the campus of the University of California, San Diego, between August 16 and 19, 1993, and brought together over 300 leading researchers from twenty countries. Perhaps because fewer than half the attendees were American, this could truly be termed an 'international' conference. UCSD proved to be an excellent venue: the physical accommodations were superb, the California weather allowed – as expected – informal contacts between conferees to be held outside in commodious surroundings. The logistic support was first rate, and those in attendance were energized for the entire four day unbroken span of the conference with an excellent selection of invited and contributed oral presentations. The poster sessions were easily accessible and of sufficient duration to allow all to participate freely.

Prof. P.W. Anderson inaugurated the proceedings with a discussion of recent developments in the theory of high- T_c superconductivity. Alternative ideas followed, setting the tone for a vigorous and rigorous meeting. In many ways beyond the formal conference banquet, SCES'93 honored a local luminary, Professor Harry Suhl, celebrating his 70th birthday. Professor Suhl's provocative presentation on 'Chaos and the Kubo Formula' is incorporated into these proceedings. Among others this paper contributes to the value of these proceedings as an archival record of SCES'93, but more importantly as the most current record of this most interesting area of materials research.

The editors of this volume are pleased to acknowledge the assistance of many who worked so hard to bring success to SCES'93. First among these are Nancy McLaughlin and Cheryl Hacker: indefatigable, meticulous, infinitely patient and understanding of the vagaries of diverse, demanding and sometimes frantic conferees. Wouter Tukker from Elsevier brought energy, new talent and good humor to the publications effort, and he was more than ably assisted by Roelfien Weijer and Sandra Seaman in that task. Many thanks to the forty plus referees for their timely and insightful reports. This was essential for guaranteeing that these proceedings are published as soon as possible, and for guaranteeing that because all papers were refereed they will be of the highest possible value to researchers and students of this demanding field.

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