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CONDENSED MATTER THEORIES VOL. 8

by

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CONDENSED MATTER THEORIES

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PREFACE

The XVI International Workshop on Condensed Matter Theories (CMT) was held in San Juan, Puerto Rico between June 1 and 5, 1992. It was attended by about 80 scientists from all over the world.

The Workshop was started in 1977 by V.C. Aguilera-Navarro, in Sao Paulo, Brazil, as the Panamerican Workshop on Condensed Matter Theories, to promote the exchange of ideas and techniques of groups that normally do not interact, such as people working in the areas of Nuclear Physics and Solid State Physics, Many Body theory, or Quantum Fluids, and Classical Statistical Mechanics, and so on. It had also the purpose of bringing together people from different regions of the Globe. The next CMT Workshop was held in 1978 in Trieste Italy, outside of America. But the next four met in the American continent: Buenos Aires, Argentina (1979), Caracas, Venezuela (1980), Mexico City, Mexico (1981), and St. Louis, Missouri (1982). At this time the scope and the participation had increased, and the name was changed to the 'International' Workshop in CMT. The 1983 edition took place in Altenberg Germany. The following CMT workshops took place in Granada, Spain (1984), San Francisco, California (1985), Argonne, Illinois (1986), Oulu, Finland (1987), Taxco, Mexico (1988), Campos do Jordao, Brazil (1989), Elba Island Italy (1990), and Mar del Plata, Argentina (1991).

There were 48 invited talks in this Workshop. In spite of the temptations of the beautiful beaches, the attendance was always large, and the discussions lively up to the last minute. We heard a number of outstanding lectures on solid state physics, density functional theory, diffusion limited aggregation, cellular automata, superconductivity, quantum fluids (Bose and Fermi liquids), theory of inhomogeneous classical fluids, nonequilibrium and equilibrium fluids, phase transitions, nuclear structure, lattices, as well as a number of excellent posters. We thank all the participants for their contributions.

The enthusiasm and support of the committee members has made this Workshop possible: We should mention in particular, A. Plastino, M. de Llano and B. Malik, who provided the necessary leadership. Locally, invaluable support was provided by the Centro de Recursos para la Ciencia e Ingenieria. We sincerely thank Dr. Manuel Gomez, its director for all the support, both financial and in logistics. Mrs. A.R. Catarich of the Centro did an excellent job in the organization. Mr. Osvaldo Rosario helped enormously

with the financial organization. Mr. Marc Legault, my graduate student was an invaluable help in the organization of the program, the meeting and the proceedings. We thank them all, very sincerely.

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