

Curriculum Vitae

Professore Emerito Ferdinando Mancini

Dati anagrafici

Nome: Ferdinando Mancini

Luogo e data di nascita: Napoli, 4 giugno 1941

Cittadinanza: Italiana

Stato civile: Coniugato, tre figli

Residenza: viale dei Tigli 16, 84134 Salerno

Qualifica

2012 - oggi Professore Emerito di Struttura della Materia
Dipartimento di Fisica "E.R. Caianiello"
Università degli Studi di Salerno
Via Giovanni Paolo II, 132 I-84084 Fisciano (SA) Italy

2012 - oggi Presidente dell'Istituto Internazionale per gli Alti Studi Scientifici
"Eduardo R. Caianiello" (IIASS)
Via G. Pellegrino n. 19
84019 Vietri sul Mare (SA) Italy

Dati professionali

Qualifica (dal 1980 al 2011) :

Professore Universitario Ordinario, a tempo pieno, di Struttura della Materia (Settore Scientifico FIS/03) - Università di Salerno.

Precedenti impieghi:

(1/11/1976 - 31/10/1980) *professore incaricato stabilizzato* presso la Facoltà di Scienze dell'Università di Salerno, dove ha tenuto gli insegnamenti di:

- Struttura della Materia,

- Fisica II

(1/11/1972 - 31/10/1976) *professore incaricato* presso la Facoltà di Scienze dell'Università di Salerno, dove ha tenuto gli insegnamenti di:

- Fisica dello Stato Solido,

- Fisica I,

-Termodinamica

(1/11/1971- 31/10/1972) *professore incaricato* di Fisica II presso la Facoltà di Ingegneria dell'Università di Napoli.

(1/11/1968 - 31/10/1971) *Research Assistant* presso il Dipartimento di Fisica dell'Università del Wisconsin – Milwaukee.

(1966 - 1968) *Borsa di studio* presso l'Istituto di Fisica Teorica dell'Università di Napoli

Altra attività didattica:

docente dal 1984 al 2011 presso il Dottorato di Ricerca in Fisica dell'Università di Salerno

(1/11/1982 - 31/10/1987) *professore supplente* presso la Facoltà di Scienze dell'Università di Salerno, dove ha tenuto gli insegnamenti di:

- Fisica I,
- Complementi di Fisica Generale I,
- Fisica dello Stato Solido,
- Fisica Superiore

(1/11/1972 - 31/10/1984) *professore incaricato* di Fisica degli Stati Condensati presso la Scuola di Perfezionamento in Scienze Cibernetiche e Fisiche dell'Università di Salerno.

Studi:

Laurea in Fisica, Università di Napoli, 1966.

PhD in Physics, University of Wisconsin-Milwaukee, (Usa) 1971

Altri titoli:

Marzo 1972, conseguimento dell'idoneità a ricercatore dell'Istituto Nazionale di Fisica Nucleare, grado R5.

Attività di ricerca all'estero

1997 Visiting Scientist per 1 mese presso il Dipartimento di Fisica, University of Hyderabad, Hyderabad, India

1991 Visiting Scientist per 1 mese presso il Dipartimento di Fisica, University of Tohoku, Sendai, Giappone

1984, 1983, 1982, 1981 Visiting Scientist per 2 mesi presso il Dipartimento di Fisica, University of Alberta, Canada

Da marzo a settembre 1980 Visiting Scientist presso il Dipartimento di Fisica, University of Alberta, Canada

Dal settembre 1976 al marzo 1978 Visiting Scientist presso il Dipartimento di Fisica, University of Alberta, Canada

1972, 1973, 1974 Visiting Scientist per 2 mesi presso il Dipartimento di Fisica, University of Wisconsin-Milwaukee, USA

Collaborazioni Scientifiche Nazionali ed Internazionali

Rappresentante per l'Italia nella "Management Committee" della Action COST P 16 "Emergent Behaviour in Correlated Matter /ECOM) dal Settembre 2006 al dicembre 2009

Coordinatore locale di "Effetti quantistici in sistemi a stato solido di bassa dimensionalità" COFIN 2000-2002

Partecipanti: Firenze, Napoli, Salerno, Genova, Torino, Catania

Coordinatore di "Low lying excitations in Strongly Correlated Electronic Systems" Progetto

PAIS INFN 2001-2003 Partecipanti: Univ.di Salerno, Rutgers Univ. (USA)

International Coordinator of "Strongly correlated systems low dimensions and fractional charge" INTAS Project n. 97-11066 1998-2000 Partecipanti: Univ. di Salerno, Kurchatov Inst. (Mosca), Dr.esden Univ. (Dr.esden), JINR (Dubna), IHPP (Mosca)

Coordinatore locale di "Sistemi correlati quantistici in bassa dimensionalit" COFIN 1998-2000 Partecipanti: Firenze, Napoli, Salerno, Genova, Torino, Catania

International Coordinator of "Marginal Electronic Liquids" INTAS Project n. 95-0591 1996-1998 Partecipanti: Univ. di Salerno, Kurchatov Inst. (Mosca), Dr.esden Univ. (Dr.esden), JINR (Dubna), IHPP (Mosca)

Editoria Scientifica

Membro dell'Editorial Board del Journal of Physical Studies.

Supervisor di Tesi di Dottorato di Ricerca in Fisica

Dr. G. Sica, dr. G. Scelza, dr. R. Rubele, dr. R. Munzner, dr. V. Fiorentino, dr. A. Avella, dr. D. Villani, dr. T. Di Matteo, dr. S. Marra, dr. A. Allega, dr. C. Noce.

Supervisor di Post-doc research associate

Dr. E. Plekhanov, dr. A. Naddeo, dr. S. Krivenko, dr. M. Bak, dr. E. Zinasas, dr. V. Turkowski, dr. N. Perkins, dr. M.d.M. Sanchez-Lopez, dr. V. Oudovenko, dr. S. Odashima, dr. T. Saikawa

Cariche accademiche

Direttore del Dipartimento di Fisica "E.R. Caianiello" dell'Università di Salerno, dal primo Gennaio 2001 al 31 Dicembre 2006.

Rappresentante dei professori ordinari nel Consiglio d'Amministrazione dell'Università di Salerno e Presidente della Commissione Finanziaria dal 1 Novembre 1982 al 31 Ottobre

1992.

Presidente della Commissione di Ateneo dal 19 gennaio 1988 al 12 giugno 1992

Presidente del Consiglio di Corso di Laurea in Fisica della Facoltà di Scienze dell'Università di Salerno, dal 1 Ottobre 1989 al 30 Maggio 1993

Coordinatore del Dottorato di Ricerca in Fisica, Università di Salerno, XII Ciclo.

Direttore del Dipartimento di Fisica Teorica dell'Università di Salerno, dal 1 gennaio 1984 al 31 ottobre 1989

Presidente del Centro Interdipartimentale di Documentazione ed Elaborazione Dati

Principali temi di ricerca

Teoria Quantistica dei Campi,

Fisica della Materia Condensata (Sistemi Fortemente Correlati, Superconduttività, Ferromagnetismo, Heavy-Fermion Systems),
Meccanica Statistica.

Organizzazione di Convegni e Conferenze

XIX Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 05-16 Ottobre 2015

XVIII Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 06-17 Ottobre 2014

XVII Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 01-12 Ottobre 2012

XVI Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 03-14 Ottobre 2011

XV Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 04 - 15 Ottobre 2010

XIV Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 05- 16 Ottobre 2009

XIII Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 06 - 17 Ottobre 2008

XII Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 01 - 12 Ottobre 2007

XI Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 02 - 13 Ottobre 2006

X Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 03 - 14 Ottobre 2005

IX Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 04 - 15 Ottobre 2004

VIII Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 06 - 17 Ottobre 2003

VII Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 14 - 25 Ottobre 2002

VI Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 8 - 19 Ottobre 2001

V Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 30 Ottobre - 10 Novembre 2000

IV Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 11 - 22 Ottobre 1999

III Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 14 - 26 Settembre 1998

II Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 13 - 25 Ottobre 1997

I Training Course in the Physics of correlated electron systems and high-Tc superconductors, Vietri 18 - 30 Novembre 1996

Membro del Comitato Scientifico Internazionale del *Summer Institute in Theoretical Physics*, Edmonton, Canada, 6 - 24 Luglio 1987

Advances on Phase Transitions and Disorder Phenomena, Amalfi 25 - 27 Giugno 1986

International Symposium on Quantum Field Theory, Positano 5 – 7 Giugno 1985

Theoretical Physics Meeting, Amalfi 6 - 7 Maggio 1983

Elenco delle Pubblicazioni

1. **F. Mancini**, E. Plekhanov, G. Sica: *Exact solution of the 1D Hubbard model with NN and NNN interactions in the narrow-band limit*, Eur. Phys. J. B **86**, 408 (2013); DOI: 10.1140/epjb/e2013-40527
2. **F. Mancini**, E. Plekhanov, G. Sica: *Exact solution of the 1D Hubbard model in the atomic limit with inter-site magnetic coupling* Eur. Phys. J. B **86**, 224 (2013); DOI: 10.1140/epjb/e2013-40046-y
3. A. Avella, **F. Mancini**, F.P. Mancini, E. Plekhanov: *Emery vs. Hubbard model for cuprate superconductors: a composite operator method study* Eur. Phys. J. B **86**, 265 (2013); DOI: 10.1140/epjb/e2013-40115-3
4. **F. Mancini**, E. Plekhanov, G. Sica: *T=0 phase diagram of the 1D Hubbard model with magnetic interactions in the narrow band limit*; Cent. Eur. J. Phys. **10**, 609 (2012); DOI 10.2478/s11534-012-0017-z
5. A. Avella, **F. Mancini**, F.P. Mancini, E. Plekhanov: *Composite operator candidates for a study of the p-d Model*: J. Phys. Conf. Series **391**, 012121 (2012); DOI: 10.1088/1742-6596/391/1/012121
6. **F. Mancini**, E. Plekhanov, G. Sica: *Spin and charge orderings in the atomic limit of the U-V-J model*; J. Phys. Conf. Series, Ser. **391**, 012148 (2012)
7. A. Avella, **F. Mancini**, G. Sica: *A 4-pole approach to the Hubbard model within the Composite Operator Method*; J. Phys. Conf. Ser. **391**, 012151 (2012)
8. E. Plekhanov, A. Avella, **F. Mancini**, F.P. Mancini: *Correlation-induced band suppression in the two-orbital Hubbard model*; J. Phys. Conf. Series **273**, 012147 (2011)
9. A. Avella, **F. Mancini**, F.P. Mancini, E. Plekhanov: *Relationship between band populations and band structure in the three-band Hubbard model*; J. Phys. Conf. Series **273**, 012091 (2011)
10. A. Avella, **F. Mancini**, F. P. Mancini, E. Plekhanov: *Single-particle dispersion of the 2D pd model*; J. Phys. Chem. Sol. **72**, 384 (2011)
11. A. Avella, **F. Mancini**, F. P. Mancini, E. Plekhanov: *Filling and temperature dependence of the spin susceptibility of the two-dimensional Hubbard model in the superconducting d-wave phase*; J. Phys. Chem. Sol. **72**, 362 (2011)
12. E. Plekhanov, A. Avella, and **F. Mancini**: *The phase diagram of the extended anisotropic ferromagnetic-antiferromagnetic Heisenberg chain*; Eur. Phys. J. B **77**, 381 (2010)
13. A. Avella, **F. Mancini**, E. Plekhanov: *Analysis of the magnetic response of the edge-sharing chain cuprate Li₂CuO₂ with TMRG*; Journal of Physics Conference Series **200**, 022047 (2010) DOI: 10.1088/1742-6596
14. A. Avella, **F. Mancini**, E. Plekhanov: *COM framework for d-wave superconductivity in the 2D Hubbard model*; Physica C: Superconductivity, **470**, 930 (2010)
15. **F. Mancini**, F.P. Mancini: *Different orderings in the narrow-band limit of the extended Hubbard model on the Bethe lattice*; Eur. Phys. J. B **73**, 581 (2010)

16. **F. Mancini**: *Phase transitions in Ising Chains?*; AIP, Conf. Proc, **1198**, 95 (2009)
17. A. Avella, **F. Mancini**: *Strong antiferromagnetic correlations effects on the momentum distribution function of the Hubbard model*; J. Phys. Condens. Matter **21**, 254209 (2009)
18. E. Plekhanov, A. Avella, **F. Mancini**: *T=0 phase diagram of 1D extended anisotropic spin-1/2 Heisenberg model*; J. Phys. Conf. Series **145**, 012063 (2009)
19. F.P. Mancini, **F. Mancini**: *Extended Hubbard model in the presence of a magnetic field*; Eur. Phys. J. B **68**, 341 (2009)
20. **F. Mancini**, F.P. Mancini, A. Naddeo: *Role of the attractive intersite interaction in the extended Hubbard model*; Eur. Phys. J. B **68**, 309 (2009)
21. A. Avella, **F. Mancini**, E. Plekhanov: *XXZ-like phase in the F-AF anisotropic Heisenberg chain*; Eur. Phys. J. B **66**, 295 (2008)
22. **F. Mancini**, F.P. Mancini: *Magnetic and thermal properties of a one-dimensional spin-1 model*; Condens. Matter Phys. **11**, 543 (2008)
23. **F. Mancini**, F.P. Mancini: *One-dimensional extended Hubbard model in the atomic limit*; Phys. Rev. E **77**, 061120 (2008)
24. **F. Mancini**, F.P. Mancini, A. Naddeo: *Exact solution of the extended Hubbard model in the atomic limit on the Bethe lattice*; J. Opt. Adv. Mat. **10**, 1688 (2008)
25. **F. Mancini**, F.P. Mancini, A. Naddeo: *Inhomogeneous charge ordering of a spinless fermionic system on the Bethe lattice*; J. Opt. Adv. Mat. **10**, 1694 (2008)
26. A. Avella, **F. Mancini**, E. Plekhanov: *Entanglement in the F-AF zig-zag Heisenberg chain*; J. Opt. Adv. Mat. **10**, 1675 (2008)
27. A. Avella, **F. Mancini**, G. Scelza, S. Chaturvedi: *Entanglement properties and phase diagram of the two-orbital atomic Hubbard model*; Acta Phys. Pol. A **113**, 417 (2008)
28. A. Avella, **F. Mancini**: *Anomalous self-energy features in the 2D Hubbard model*; Acta Phys. Pol. A **113**, 395 (2008)
29. E. Plekhanov, A. Avella, **F. Mancini**: *Frustration-driven QPT in the 1D extended anisotropic Heisenberg model*; Acta Phys. Pol. A **113**, 429 (2008)
30. E. Plekhanov, A. Avella, **F. Mancini**: *Entanglement in the 1D extended anisotropic Heisenberg model*; Physica B **403**, 1282 (2008)
31. A. Avella, **F. Mancini**: *The 2D Hubbard model and the pseudogap: a COM (SCBA) study*; J.Phys.: Condens. Matter **19**, 255209 (2007)
32. A. Avella, **F. Mancini**: *Underdoped cuprate phenomenology in the two-dimensional Hubbard model within the composite operator method*; Phys. Rev. B **75**, 134518 (2007)
33. A. Avella, **F. Mancini**: *Pseudogap opening in the 2D Hubbard model within COM (SCBA)*; Physica C **460**, 1096 (2007)
34. **F. Mancini**, A. Naddeo: *Fermionic systems with charge correlations on the Bethe lattice*; Physica C **460-462**, 1053 (2007)
35. A. Avella, **F. Mancini**, S. Odashima, G. Scelza: *The two-orbital Hubbard model and the OSMT*; Physica C **460-462**, 1068 (2007)
36. E. Plekhanov, A. Avella, **F. Mancini**: *Ergodicity of the extended anisotropic 1D Heisenberg model: response at low temperatures*; Journ. Magn. & Magn. Materials **310**, e480 (2007).
37. S. Odashima, **F. Mancini**: *Inter-orbital excitation modes in the two orbital Hubbard model*; Journ. Magn. & Magn. Materials **310**, e292 (2007)
38. A. Avella, **F. Mancini**, E. Plekhanov: *Non-Fermi liquid behavior in the 2D Hubbard model within COM (SCBA)*; Journ. Magn. & Magn. Materials **310**, 999 (2007)

39. **F. Mancini**, A. Naddo: *Equations of motion approach to the spin 1/2 Ising model on the Bethe lattice*; Phys. Rev. E **74**, 061108 (2006)
40. A. Avella, **F. Mancini**, E. Plekhanov: *Ergodicity in strongly correlated systems*; Condens. Matter Phys. **9**, 485 (2006)
41. **F. Mancini**, A. Avella: *Green's function formalism for highly correlated systems*; Condens. Matter Phys. **9**, 569 (2006)
42. E. Plekhanov, A. Avella, **F. Mancini**: *Non-ergodic dynamics of the extended anisotropic Heisenberg chain*; Phys. Rev. B **74**, 115120 (2006)
43. A. Avella, **F. Mancini**: *Exact solution of the one-dimensional spin 3/2 Ising model in magnetic field*; Eur. Phys. J. B **50**, 527 (2006)
44. A. Avella, **F. Mancini**: *Phase diagrams of half-filled 1D and 2D extended Hubbard model within COM*; J. Phys. Chem. Sol. **67**, 142 (2006)
45. **F. Mancini**: *A class of solvable models in Condensed Matter Physics*; Condens. Matter Phys. **9**, 393 (2006)
46. A. Avella, **F. Mancini**: *Study of the spin-3/2 Hubbard-Kondo lattice model by means of the Composite Operator Method*; Physica B **378**, 700 (2006)
47. A. Avella, **F. Mancini**: *Charge ordering in the extended Hubbard model in the ionic limit*; Physica B **378**, 311 (2006)
48. S. Odashima, A. Avella, **F. Mancini**: *Analysis of thermodynamic quantities in the Hubbard model by means of the Composite Operator Method*; Physica B **378**, 313 (2006)
49. S. Odashima, A. Avella, **F. Mancini**: *High-order correlation effects in the two-dimensional Hubbard model*; Phys. Rev. B **72**, 205121 (2005)
50. **F. Mancini**: *The extended Hubbard model in the ionic limit*; Eur. Phys. J. B **47**, 527 (2005)
51. **F. Mancini**: *New perspectives on the Ising model*; Eur. Phys. J. B **45**, 497 (2005)
52. **F. Mancini**: *Fermionic systems with charge correlations*; Europhys. Lett. **70**, 485 (2005)
53. S. Krivenko, A. Avella, **F. Mancini**, N. Plakida: *SCBA within Composite Operator Method for the Hubbard model*; Physica B **359**, 666 (2005)
54. S. Odashima, A. Avella, **F. Mancini**: *4-pole analysis of the two dimensional Hubbard model*; Physica B **359**, 663 (2005)
55. Y. Izyumov, N. Chaschin, D. Alexeev, **F. Mancini**: *A generating functional approach to the Hubbard model*; Eur. Phys. J. B **45**, 69 (2005)
56. **F. Mancini**, A. Avella: *The Hubbard model within the equations of motion approach*; Adv. Phys. **53**, 537 (2004)
57. A. Avella, **F. Mancini**: *The Hubbard model with intersite interaction within the Composite Operator Method*; Eur. Phys. J. B **41**, 149 (2004)
58. A. Avella, **F. Mancini**, S. Odashima: *Effects of two-site composite excitations in the Hubbard model*; Journ. Magn. & Magn. Materials **272**, E311 (2004)
59. A. Avella, S. Krivenko, **F. Mancini**, N. Plakida: *Self-energy corrections to the electronic spectrum of the Hubbard model*; Journ. Magn. & Magn. Materials **272**, 456 (2004)
60. A. Avella, **F. Mancini**: *The charge and spin sectors of the $t-t'$ - U Hubbard model*; Physica C **408**, 284 (2004)
61. A. Avella, **F. Mancini**: *The Hubbard model: bosonic excitations and zero-frequency constants*; Physica C **408**, 287 (2004)
62. A. Avella, **F. Mancini**, R. Hayn: *The energy-scale-dependent composite operator method for the single-impurity Anderson model*; Eur. Phys. J. B **37**, 465 (2004)
63. A. Avella, **F. Mancini**: *A theoretical analysis of the magnetic properties of LaCuO*; Eur. Phys. J. B **32**, 27 (2003)

64. A. Avella, **F. Mancini**, V. Turkowski: *Bosonic sector of the two-dimensional Hubbard model studied within a two-pole approximation*; Phys. Rev. B **67**, 115123 (2003)
65. A. Avella, **F. Mancini**, S. Odashima: *Effects of two-site correlations in the Hubbard model*; Physica C **388**, 76 (2003)
66. A. Avella, F. Mancini: *New comparisons for local quantities of the two-dimensional Hubbard model*; Int. J. Mod. Phys. B **17**, 554 (2003)
67. A. Avella, S. Krivenko, **F. Mancini**: *Two-scale analysis of the Hubbard model*; Physica B **329**, 955 (2003)
68. A. Avella, **F. Mancini**, R. Hayn: *The composite operator Method for impurity models*; Acta Phys. Pol. B **34**, 1345 (2003)
69. A. Avella, **F. Mancini**: *The 2D Mott-Hubbard transition in presence of a parallel magnetic field*; Acta Phys. Pol. B **34**, 811 (2003)
70. M. Bak, A. Avella, **F. Mancini**: *Non-ergodicity of the 1D Heisenberg model*; Phys. Sta. Sol. (b) **236**, 396 (2003)
71. A. Avella, **F. Mancini**, T. Saikawa: *The 2-site Hubbard and t-J models*; Eur. Phys. J. B **36**, 445 (2003)
72. **F. Mancini**, A. Avella: *Equation of motion method for composite field operators*; Eur. Phys. J. B **36**, 37 (2003)
73. A. Avella, S. Feng, **F. Mancini**: *The 2D t-J model: a proposal for an analytical study*; Physica B **312**, 537 (2002)
74. M. Bak, **F. Mancini**: *A self-consistent formulation of the double-exchange model*; Physica B **312**, 732 (2002)
75. A. Avella, **F. Mancini**, M.d.M. Sanchez-Lopez: *The 1D Hubbard model within the Composite Operator Method*; Eur. Phys. J. B **29**, 399 (2002)
76. **F. Mancini**, V. Turkowski: *Study of the Mott Transition in the Three-Dimensional Hubbard Model*; Acta Phys. Pol. A **101**, 505 (2002)
77. **F. Mancini**, N. Perkins, N. Plakida: *Spin-wave dispersion softening in the ferromagnetic Kondo lattice model for manganites*; Phys. Lett. A **284**, 286 (2001)
78. A. Avella, **F. Mancini**, R. Munzner: *Antiferromagnetic phase in the Hubbard model by means of the composite operator method*; Phys. Rev. B **63**, 245117 (2001)
79. V. Fiorentino, **F. Mancini**, E. Zasin, A.F. Barabanov: *Local properties and Density of States in the two-dimensional p-d Model*; Phys. Rev. B **64**, 214515 (2001)
80. S. Feng, **F. Mancini**: *Exact properties of the chemical potential-density relation at finite temperature in the Hubbard model*; Int. J. Mod. Phys. B **15**, 1915 (2001)
81. A. Avella, **F. Mancini**, D. Villani, H. Matsumoto: *The two-dimensional t-t'-U model as a minimal model for cuprate materials*; Eur. Phys. J. B **20**, 303 (2001)
82. A. Avella, **F. Mancini**, R. Munzner: *Ferromagnetic order for the 2D extended Hubbard model*; Physica B **281**, 857 (2000)
83. R. Munzner, A. Avella, **F. Mancini**: *Antiferromagnetism in the 2D Hubbard model: phase transition and local quantities*; Physica B **284**, 1577 (2000)
84. V. Fiorentino, **F. Mancini**, A.F. Barabanov: *The p-d model in the four-pole approximation by composite operator method*; Physica C **284**, 1195 (2000)
85. **F. Mancini**, V. Turkowski: *Spin magnetic susceptibility in the two-layer Hubbard model*; Physica B **284**, 1575 (2000)
86. **F. Mancini**: *The Mott-Hubbard transition and the paramagnetic insulating state in the two-dimensional Hubbard model*; Europhys. Lett. **50**, 229 (2000)
87. M.d.M. Sanchez-Lopez, A. Avella, **F. Mancini**: *The van Hove scenario in the Hubbard model with correlated hopping*; Physica C **317**, 515 (1999)

88. **F. Mancini**, D. Villani: *The conductivity tensor for the Hubbard model*; Phys. Lett. A **261**, 357 (1999)
89. A. Avella, **F. Mancini**, D. Villani: *Dynamical incommensurability in the 2D Hubbard model*; Physica B **259**, 732 (1999)
90. M.d.M. Sanchez-Lopez, A. Avella, **F. Mancini**: *Charge renormalization in the 1D Hubbard model*; Physica B **259**, 753 (1999)
91. A. Avella, **F. Mancini**, M.d.M. Sanchez-Lopez, R. Sridhar: *The N-Chain Hubbard model in the Composite Operator Method*; Physica B **259**, 1056 (1999)
92. **F. Mancini**, H. Matsumoto, D. Villani: *Thermodynamics of the 2D Hubbard model*; J. Phys. Studies **3**, 474 (1999)
93. **F. Mancini**, N. Perkins, D. Villani: *A new analysis of optical excitations in the Hubbard model*; Physica B **259**, 755 (1999). DOI: 10.1016/S0921-4526(98)00869-2
94. M.d.M. Sanchez-Lopez, A. Avella, **F. Mancini**: *The half-filled Hubbard chain in the Composite Operator Method: A comparison with Bethe Ansatz*; Europhys. Lett. **44**, 328 (1998)
95. **F. Mancini**, A. Avella: *Symmetries in the physics of strongly correlated electronic systems*; Condens. Matter Phys. **1**, 11 (1998)
96. A. Avella, **F. Mancini**, D. Villani: *The overdoped regime in LaS₂CuO*; Sol. Stat. Comm. **108**, 723 (1998)
97. A. Avella, **F. Mancini**, M.d.M. Sanchez-Lopez: *Single-particle properties of the extended Hubbard model in the Composite Operator Method*; J. Phys. Studies **2**, 232 (1998)
98. A. Avella, **F. Mancini**, M.d.M. Sanchez-Lopez, D. Villani, F. Buzatu: *Local quantities in the 1D Hubbard model in the composite operator method*; J. Phys. Studies **2**, 228 (1998)
99. **F. Mancini**: *Conservation of the spectral moments in the n-pole approximation*; Phys. Lett. A **249**, 231 (1998)
100. A. Avella, **F. Mancini**, D. Villani, L. Siurakshina, V. Yushankhai: *The Hubbard model in the two-pole approximation*; Int. J. Mod. Phys. B **12**, 81 (1998)
101. A. Avella, **F. Mancini**, D. Villani: *Incommensurate spin fluctuations in the two-dimensional t - t' - U model*; Phys. Lett. A **240**, 235 (1998)
102. **F. Mancini**, D. Villani, H. Matsumoto: *Incommensurate magnetism in cuprate materials*; Phys. Rev. B **57**, 6145 (1998)
103. **F. Mancini**, D. Villani, H. Matsumoto: *Specific heat of the two-dimensional Hubbard model*; Physica C **282**, 1755 (1997)
104. A. Avella, **F. Mancini**, D. Villani, H. Matsumoto: *The superconducting gap in the two-dimensional Hubbard model*; Physica C **282**, 1757 (1997)
105. H. Matsumoto, T. Saikawa, **F. Mancini**, D. Villani: *Electronic states in the t - J model*; Physica C **282**, 1773 (1997)
106. A. Avella, **F. Mancini**, D. Villani, H. Matsumoto: *Fermi surface and density of states in the two-dimensional t - t' - U model*; Physica C **282**, 1759 (1997)
107. T. Di Matteo, **F. Mancini**, H. Matsumoto, V. Oudovenko: *Singlet pairing in the 2D Hubbard model*; Physica B **230**, 915 (1997)
108. A. Avella, **F. Mancini**, H. Matsumoto, D. Villani: *Local properties in the two-dimensional t - t' - U model*; Physica B **230**, 912 (1997)
109. H. Matsumoto, **F. Mancini**: *Two-site correlation in analysis of the Hubbard model*; Phys. Rev. B **55**, 2095 (1997)
110. **F. Mancini**: *The birth of Thermo field Dynamics*; Physics Essays **9**, 624 (1996)
111. H. Matsumoto, **F. Mancini**: *Electronic state in the 2D Hubbard model*; Czecho. J. Phys. **46**, 1869 (1996)

112. **F. Mancini**, H. Matsumoto, D. Villani: *Dynamical spin magnetic susceptibility in the 2D Hubbard model*; Czecho. J. Phys. **46**, 1871 (1996)
113. **F. Mancini**, V. Oudovenko, D. Villani: *Magnetic properties of the two-band singlet-hole model for the copper-oxides plane*; Czecho. J. Phys. **46**, 1873 (1996)
114. H. Matsumoto, T. Saikawa, **F. Mancini**: *Temperature dependence of electronic states in the t - J model*; Phys. Rev. B **54**, 14445 (1996)
115. **F. Mancini**, M. Marinaro, H. Matsumoto: *Some properties of the positive- U and negative- U Hubbard model*; Int. J. Mod. Phys. B **10**, 1717 (1996)
116. **F. Mancini**, S. Marra, D. Villani, H. Matsumoto: *Local magnetic moment in the two- dimensional reduced p - d model*; Phys. Lett. A **210**, 429 (1996)
117. H. Matsumoto, S. Odashima, **F. Mancini**, S. Marra: *Effects of two-site local correlation in the 2D Hubbard model*; Physica C **263**, 66 (1996)
118. **F. Mancini**, S. Marra, H. Matsumoto: *Magnetic properties of the two-dimensional Hubbard model*; Physica C **263**, 70 (1996)
119. T. Di Matteo, **F. Mancini**, S. Marra: *Local pairing in the attractive Hubbard model*; Condens. Matter Phys. **8**, 109 (1996)
120. **F. Mancini**, S. Marra, D. Villani: *A self-consistent treatment of the p - d model by means of the composite operator method*; Condens. Matter Phys. **7**, 133 (1996)
121. T. Di Matteo, **F. Mancini**, S. Marra, H. Matsumoto: *Analysis of the two-dimensional negative- U Hubbard model by composite operator method*; Int. J. Mod. Phys. B **10**, 2745 (1996)
122. **F. Mancini** S. Marra, H. Matsumoto: *Spin Magnetic Susceptibility in the Two-Dimensional Hubbard Model*; Physica C **252**, 361 (1995)
123. **F. Mancini**, S. Marra, H. Matsumoto: *Energy and Chemical Potential in the two- dimensional Hubbard model*; Physica C **250**, 184 (1995)
124. **F. Mancini**, S. Marra, H. Matsumoto: *Doping Dependence of on-site Quantities in the two- dimensional Hubbard model*; Physica C **244**, 49 (1995)
125. A. Allega, S. Odashima, H. Matsumoto, **F. Mancini**: *Static and Dynamical Spin Susceptibility in a 2D Antiferromagnetic Heisenberg Model*; Physica C **235**, 2229 (1994)
126. H. Matsumoto, A. Allega, S. Odashima, **F. Mancini**: *Metal-Insulator Transition in Kondo-Heisenberg Model of Oxide Superconductors*; Physica C **235**, 2227 (1994)
127. S. Marra, **F. Mancini**, A. Allega, H. Matsumoto: *Mean field analysis of the Hubbard model*; Physica C **235**, 2253 (1994)
128. S. Ishihara, H. Matsumoto, S. Odashima, M. Tachiki, **F. Mancini**: *Mean Field Analysis in the p - d Model of Oxide Superconductors*; Phys. Rev. B **49**, 1350 (1994)
129. C. Noce, A. Romano, **F. Mancini**, M. Marinaro: *Perturbative expansion for the p - d model around the hopping term*; Physica B **194**, 1195 (1994)
130. P. Shanta, S. Chaturvedi, V. Srinivasan, **F. Mancini**: *Time Dependent Bogoliubov Transformations and the Damped Harmonic Oscillator*; Modern Physics Letters A **8**, 1999 (1993)
131. **F. Mancini**, M. Marinaro, H. Matsumoto, A. Romano: *Reservoir Effects in Two-Level Models*; Physica A **176**, 607 (1991)
132. G. Grella, **F. Mancini**, M. Guida: *A Very Large Telescope for Neutrino Gamma Astronomy and Cosmic Rays Studies*; Nuclear Physics B **14**, 69 (1990)
133. **F. Mancini**, M. Marinaro, Y. Nakano, C. Noce, A. Romano: *A Diagram Method for the Anderson Model. Limit of Zero-width Conduction Band*; Nuovo Cimento D **11**, 1709 (1989)
134. **F. Mancini**, M. Marinaro, Y. Nakano: *Exact Results for the Anderson Model in the Limit of Zero-Width Conduction Band*; Physica B **159**, 330 (1989)
135. H. Matsumoto, **F. Mancini**, M. Marinaro: *Perturbation Expansion and Initial State*

- Correlations in Nonequilibrium Thermo Field Dynamics*; J. Phys. A **20**, 6543 (1987)
136. **F. Mancini**, M. Marinaro, Y. Nakano: *n-Point Green's Functions in the Anderson Model*; Int. J. Quant. Chem **21**, 55 (1987)
137. H. Matsumoto, **F. Mancini**, M. Marinaro: *The Path-Ordered Formalism and Thermo Field Dynamics in Nonequilibrium Phenomena*; Europhys. Lett. **4**, 153 (1987)
138. **F. Mancini**, C. Noce: *Electromagnetic Properties of Ferromagnetic Superconducting Film*; Physica B **145**, 342 (1987)
139. **F. Mancini**, C. Noce: *Ferromagnetic Superconducting Film in External Parallel Field*; Nuovo Cimento D **7**, 1 (1986)
140. C. Huang, C. Olsen, G. Kozłowski, H. Matsumoto, H. Umezawa, **F. Mancini**, M. Maple, H. Hamaker, M. Torikachvili, J. Whitehead, F. Wang: *Anomalous Surface Impedance in Reentrant Ferromagnetic Superconductors*; J. Appl. Phys. **57**, 3104 (1985)
141. G. Kozłowski, H. Matsumoto, H. Umezawa, J. Whitehead, **F. Mancini**, C. Huang, C. Olsen, M. Maple, H. Hamaker, M. Torikachvili, F. Wang: *Anomalies in the Surface Impedance Penetration Depth in Ferromagnetic Superconductors*; Sol. Stat. Comm. **54**, 221 (1985)
142. Y. Leblanc, H. Matsumoto, H. Umezawa, **F. Mancini**: *Quasirealistic polyacetylene kink-dynamics model with acoustic-phonon effects*; Phys. Rev. B **30**, 5958 (1984)
143. **F. Mancini**, M. Fusco-Girard: *Superconductors in Parallel Field: Electromagnetic Properties at the Surface*; Nuovo Cimento D **3**, 773 (1984)
144. G. Grella, **F. Mancini**, M. Marinaro, G. Scarpetta: *Unified derivation of soliton, polaron and soliton lattice solutions in polyacetylene*; Physics Letters A **100**, 482 - 484 (1984)
145. M. Fusco-Girard, **F. Mancini**: *Surface Effects in Type-II Superconductors*; Physica B **123**, 75 (1983)
146. M. Fusco-Girard, **F. Mancini**: *Some Remarks about Surface Effects in Magnetic Superconductors*; Phys. Lett. A **95**, 447 (1983)
147. H. Matsumoto, Y. Nakano, H. Umezawa, **F. Mancini**, M. Marinaro: *Thermo Field Dynamics in Interaction Representation*; Progr. Theor. Phys. **70**, 599 (1983)
148. **F. Mancini**, H. Matsumoto, H. Umezawa: *Boundary Problems and Topological Singularities in the Theory of Superconductivity*; Phys. Rev. B **27**, 1932 (1983)
149. M. Fusco-Girard, U. Klein, **F. Mancini**: *Interaction between a flux line and the surface of a type-II Superconductor*; Phys. Lett. A **84**, 383 (1981)
150. M. Fusco-Girard, **F. Mancini**: *Instability of the Triangular Vortex Lattice in Type-II Superconductors*; Lettere al Nuovo Cimento **31**, 539 (1981)
151. M. Fusco-Girard, U. Klein, **F. Mancini**: *Attractive Interaction between the Surface of a Type-II Superconductor and a Single Flux Line*; Physica B **107**, 423 (1981)
152. M. Fusco-Girard, **F. Mancini**, M. Marinaro: *Electrodynamics of Superconductors as a Consequence of Local Gauge Invariance*; Fortschr. der Physik **28**, 355 (1980)
153. M. Fusco-Girard, **F. Mancini**, M. Marinaro: *Quantum Field Theory and Electrodynamics of Superconducting Systems*; Int. J. Quant. Chem **17**, 75 (1980)
154. **F. Mancini**, H. Matsumoto, H. Umezawa, M. Wadati: *The Macroscopic Surface Phenomena and Topological Singularities in Superconductivity*; Progr. Theor. Phys. **62**, 12 (1979)
155. M. Fusco-Girard, **F. Mancini**, M. Marinaro: *Magnetic Behavior of a Superconducting Cylinder*; Lettere al Nuovo Cimento **25**, 53 (1979)
156. **F. Mancini**, H. Matsumoto, H. Umezawa, M. Wadati: *Surface Electromagnetic Waves in Superconductors*; Sol. Stat. Comm. **27**, 301(1978)

157. **F. Mancini**, R. Teshima, H. Umezawa: *Phase Transition between Triangular and Square Lattices in Type-II Superconductors*; Phys. Lett. A **67**, 46 (1978)
158. S. De Lillo, **F. Mancini**, H. Umezawa: *Temperature and Impurity Effects on Type-II Superconductors*; Physica B **95**, 53 (1978)
159. **F. Mancini**, H. Umezawa: *Surface Effects Induced by Boson Transformation*; Physica B **95**, 45 (1978)
160. **F. Mancini**, M. Tachiki, H. Umezawa: *Analysis of the Mixed State of Superconductors at Various Temperatures*; Physica B **94**, 1 (1978)
161. **F. Mancini**, M. Marinaro, M. Zannetti: *Boson Method in Superconductivity: Study of Systems Containing Scalar Impurities*; Physica B **93**, 291 (1978)
162. **F. Mancini**, R. Teshima, H. Umezawa: *Order of Phase Transition between the Meissner State and the Mixed State*; Sol. Stat. Comm. **24**, 561 (1977)
163. S. De Lillo, **F. Mancini**: *Type I-Type II Transition and Lower Critical Field of non-Pure Superconductors*; Physica B **92**, 239 (1977)
164. S. De Lillo, **F. Mancini**: *The Ginzburg-Landau Parameter in the Case of non-Pure Superconductors*; Physica A **87**, 391 (1977)
165. S. De Lillo, **F. Mancini**: *Superconducting properties of Ta-N*; Phys. Lett. A **59**, 297 (1976)
166. **F. Mancini**: *More about the energy spectrum and the function $c(k)$ in the boson formulation of superconductivity*; Physica B **81**, 119 (1976)
167. G. De Angelis, **F. Mancini**: *A Complete Computation of the Boson Characteristic Function at $T=0K$* ; Physica **77**, 332 (1974)
168. **F. Mancini**: *Some Exact Results in the Boson Formulation of Superconductivity*; Physica **77**, 311 (1974)
169. **F. Mancini**: *Criterion for Type-I and Type-II Superconductivity*; Phys. Lett. A **49**, 173 (1974)
170. L. De Cesare, **F. Mancini**: *Type III and Type II/2 Superconductors*; Phys. Sta. Sol. (b) **65**, 419 (1974)
171. L. De Cesare, **F. Mancini**: *Temperature dependence of the Lattice Parameter d_0 in Type III Superconductors*; Sol. Stat. Comm. **15**, 815 (1974)
172. G. De Angelis, **F. Mancini**: *Energy Spectrum of Collective Excitations in the Theory of Superconductivity*; Lettere al Nuovo Cimento **10**, 654 (1974)
173. **F. Mancini**, H. Umezawa, G. Vitiello: *Temperature Dependence of $k_B c$ for Type-II Superconductors*; Sol. Stat. Comm. **14**, 1123 (1974)
174. L. Leplae, H. Umezawa, **F. Mancini**: *Derivation and Application of the Boson Method in Superconductivity*; Physics Reports C **10**, 151(1974)
175. **F. Mancini**, G. Scarpetta, V. Srinivasan, H. Umezawa: *Applications of the boson formalism to magnetic properties of superconductors* Phys. Rev. B **9**, 130-134 (1974)
176. **F. Mancini**: *Asymptotic Behavior of the Magnetic Field and Attractive Interaction between Flux Lines in Type-II Superconductors*; Phys.Lett. A **45**, 179 (1973)
177. **F. Mancini** H. Umezawa: *Computation of the Boson Characteristic Function*; Lettere al Nuovo Cimento **7**, 125 (1973)
178. L. Leplae, **F. Mancini**, H. Umezawa: *Magnetic Properties of Vanadium and Niobium at $T=0K$* ; Phys. Rev. B **6**, 4178 (1972)

179. **F. Mancini**, H. Umezawa: *Magnetic Properties of Pure Type-II Superconductors*; Phys. Lett. A **42**, 287 (1972)
180. **F. Mancini**, L. Leplae, H. Umezawa: *Time-Dependent Phenomena in Weakly-Coupled Superconductors*; Nuovo Cimento B **10**, 267 (1972)
181. L. Leplae, **F. Mancini**, H. Umezawa: *Computation of the Magnetization Curve for Vanadium at $T=0K$* ; Phys. Lett. A **40**, 177 (1972)
182. L. Leplae, **F. Mancini**, H. Umezawa: *Boson Methods in superconductivity: Time-Dependent Theory*; Phys. Rev. B **5**, 884 (1972);
183. L. Leplae, **F. Mancini**, H. Umezawa: *Quantum Effects in weakly coupled superconductors*; Phys. Lett. A **36**, 475 (1971)
184. L. Leplae, **F. Mancini**, H. Umezawa: *Quantum Effects in weakly coupled superfluid liquids*; Phys. Lett. A **34**, 301 (1971)
185. L. Leplae, **F. Mancini**, H. Umezawa: *Boson Method in Superconductivity: Application to the Study of the Josephson Effect*; Nuovo Cimento B **9**, 233 (1972)
186. L. Leplae, **F. Mancini**, H. Umezawa: *New Approach to the Josephson Effect*; Lettere al Nuovo Cimento **4**, 963 (1970)
187. J. Cullen, J. Rhyne, **F. Mancini**: *Magnetic Anisotropy Effects on the Hall Resistivity of Rare-Earth Metals*; J. Appl. Phys. **41**, 1178 (1970)
188. L. Leplae, **F. Mancini**, H. Umezawa: *Structures of Vortices in Superconductivity*; Lettere al Nuovo Cimento **3**, 153 (1970)
189. L. Leplae, **F. Mancini**, H. Umezawa: *Boson methods in Superconductivity: Application to the Study of Vortex Lines*; Phys. Rev. B **2**, 3594 (1970)
190. A. Coniglio, **F. Mancini**, M. Maturi: *On the Coexistence of Single-and Two- Particle Condensation in an Interacting Boson Gas*; Nuovo Cimento B **63**, 227 (1969)

Preprints

191. **F. Mancini**: *The sn-pole approximation in the Composite Operator Method*; (unisa/cond-mat/001072000), Preprint Università di Salerno (2000), (arXiv:cond-mat/0007341)
192. A. Avella, **F. Mancini**, D. Villani: *Comment on 'Symmetry properties of magnetization in the Hubbard Model at finite temperature'*; (unisa/cond-mat/001071998), Preprint Università di Salerno (1998), (arXiv:cond-mat/9807402)
193. **F. Mancini**, S. Marra, H. Matsumoto: *About the Mott-Hubbard transition in the two-dimensional Hubbard Model*; (unisa/cond-mat/002111995), Preprint Università di Salerno (1995)
194. **F. Mancini**, H. Matsumoto, V. Oudovenko: *Superconductivity in the 2D Hubbard Model: a self-consistent solution*; (unisa/cond-mat/001111995), Preprint Università di Salerno (1995)
195. **F. Mancini**, M. Marinaro, C. Noce, A. Romano: *Composite Operator Approach to the Periodic Anderson Model*; (unisa/cond-mat/001111994), Preprint Università di Salerno (1994)
196. **F. Mancini**, M. Marinaro, H. Matsumoto: *Effects of Initial State Correlations in a Self-Consistent Perturbation Scheme*; (unisa/cond-mat/001111988), Preprint Università di Salerno (1988)
197. **F. Mancini**, M. Marinaro, H. Matsumoto: *Quasi-Particle Field and Boltzmann-like Equation in Nonequilibrium Quantum Field Theory*; (unisa/cond-mat/001111987), Preprint Università di Salerno (1987)

198. **F. Mancini**, M. Marinaro, H. Matsumoto: *Quasi-Particle Picture in Nonequilibrium Quantum Field Theory*; (unisa/cond-mat/002111987), Preprint Università di Salerno (1987)
199. **F. Mancini**, M. Marinaro, Y. Nakano: *A New Diagram Method for Fermion Systems at Finite Temperature*; (unisa/cond-mat/001111985), Preprint Università di Salerno (1985)
200. Y. Leblanc, H. Matsumoto, H. Umezawa, **F. Mancini**: *The Continuous Limit of the SSH Model and the Soliton of the Polyacetylene Molecule*; (unisa/cond-mat/001111983) Preprint University of Alberta (1983)
201. **F. Mancini**, H. Matsumoto, H. Umezawa: *Elementary Excitations in Triplet Superconductivity*; (unisa/cond-mat/001111982); Preprint University of Alberta (1982)
202. **F. Mancini**, R. Teshima, H. Umezawa: *Critical Behavior of Collective Mode in Superconductivity*; (unisa/cond-mat/001111978) Preprint University of Alberta (1978)
203. **F. Mancini**: *The Lower Critical Field H_{c1} for Clean Type-II Superconductors at $T=0^{\circ}K$* ; (unisa/cond mat/001111974) Preprint IF/52/74, Università di Salerno (1974)
204. L. Leplae, **F. Mancini**, V. Srinivasan: *Collective Modes and Coulomb Effects in Superconductivity*; (unisa/cond-mat/002111974) Preprint University of Wisconsin-Milwaukee UWM-4867-71-12 (1971)

Articoli su Libri

205. A. Avella and **F. Mancini**, *Fenomenologia de los cupratos en 2D*, in "Superconductividad y Correlaciones Electrónicas", Ed. by J.J. Rodriguez Nunez y C.I. Ventura, Chap. 6 pag. 136-170 Inver-E-Group Venezuela C.A. 2013
206. A. Avella, **F. Mancini**: *The Composite Operator Method (COM)*; in "Strongly Correlated Systems: Theoretical Methods", pag. 103-142, Edited by A. Avella, F. Mancini (Springer Series in Solid-State Sciences, vol 171, 2011)
207. **F. Mancini**: *Composite operators and algebra constraints: a formalism for highly interacting systems*; in "Highlights in Condensed Matter Physics", pag. 240-257, edited by A. Avella, R. Citro, C. Noce, M. Salerno (AIP, New York, 2003)
208. A. Avella, **F. Mancini**: *The t - t' - U model and the cuprate materials*; in "Some Frontal Aspects of High Temperature Superconductivity", pag. 215, edited by (Nova Science Publishers Inc., New York, 2003)
209. **F. Mancini**, *Our own roots*; in "Highlights in Condensed Matter Physics", pag. 240-257, Edited by A. Avella, R. Citro, C. Noce, M. Salerno (AIP, New York), (2003)
210. M.d.M. Sanchez-Lopez, A. Avella, **F. Mancini**: *Sectores de carga y de spin en el modelo de Hubbard unidimensional: analisis mediante el Metodo de Operadores Compuestos*; in "Resumen de las comunicaciones: XXVIII Reunin Bienal de la Real Sociedad Espaola de Fsica", Sevilla, pag. 165, edited by V. Franco, A. Conde, R. Marquez (Real Sociedad Espanola de Fsica, Madrid, 2001)
211. **F. Mancini**, P. Shanta, S. Chaturvedi, V. Srinivasan: *Evolution Equation for the Thermal Vacuum from Time Dependent Bogoliubov Transformations*; in "Field Theory and Collective Phenomena", pag. 270-279, edited by P. Sodano (World Scientific, Singapore, 1995)
212. **F. Mancini**: *A Systematic Perturbation Approach to the p - d Model for High T_c Oxide Superconductors*; in "Field Theory and Collective Phenomena", pag. 82-109, edited by P. Sodano (World Scientific, Singapore, 1995)

213. **F. Mancini**, S. Marra, A. Allega, H. Matsumoto: *Analysis of the Hubbard Model by composite operator method in a generalized mean field approximation*; in "Superconductivity and Strongly Correlated Electron Systems", pag. 271-297, edited by C. Noce, A. Romano, G. Scarpetta (World Scientific, Singapore, 1994)
214. M. Guida, **F. Mancini**, M. Abrescia, G. Iaselli, S. Natali, S. Nuzzo, A. Ranieri, F. Romano, G. Auriemma, C. Satriano, P. Bernardini, P. Creti: *A gamma-ray telescope operating in the 3-100 TeV energy range*; in "Fourth International Workshop on Neutrino Telescopes", pag. 1, edited by M. Baldo Ceolin (XXX, Venezia (Italy, 1992)
215. **F. Mancini**: *Impurity Effects in Superconductivity* ; in "Superconductivity", pag. 241-282, edited by S. Pace, M. Acquarone (World Scientific, Singapore, 1991)
216. **F. Mancini**: *Perturbation Theory in Equilibrium and Non-Equilibrium*; in "Thermal Field Theories", pag. 139-152, edited by H. Ezawa, T. Arimitsu, Y. Hashimoto (North-Holland, Amsterdam, 1991)
217. G. Iaselli, F. D`Aquino, N. Mirizzi, S. Nuzzo, A. Ranieri, F. Romano, A. Rossi, P. Bernardini, P. Pistilli, J. Beman, M. Lawrence, J. LLOYD-Evans, R. Reid, A. Watson, M. Ambrosio, G.C. Barbarino, B. Bartoli, D. Campana, J.W. Elbert, F. Guarino, M. Jacovacci, G. Osteria, V. Silvestrini, R. Buccheri, O. Catalano, S. Del Sordo, J. Linsley, L. Scarsi, G. Bressi, M. Cambiaghi, A. Lanza, S. Ratti, G. Auriemma, M. Bonori, A. Capone, G. D`Agostini, D. De Pedis, M. De Vincenzi, P. Lipari, F. Massa, M. Mattioli, A. Nigro, G. Piredda, D. Zanello, R. Cardarelli, R. Santonico, L. De Cesare, G. Grella, M. Guida, **F. Mancini** G. Marini, G. Romano, G. Vitiello: *A Status Report of the Mini Experiment*; in Vulcano 1990, "Frontier objects in astrophysics and particle physics", pag. 337, (1990)
218. **F. Mancini**, L. De Cesare, G. Grella, M. Guida, G. Marini, G. Romano, G. Vitiello: *Status Report on the MINI Experiment*; in "Second International Workshop on Neutrino Telescopes", pag. 1, edited by M. Baldo Ceolin (XXX, Venezia, Italy, 1990)
219. **F. Mancini**, M. Marinaro, H. Matsumoto: *Thermo Field Dynamics: A Quantum Field Theory at Finite Temperature*; in "Symposium on Selected Topics in Statistical Mechanics", pag. 1, Dubna (1987)
220. **F. Mancini**, M. Guida, M. Marinaro, H. Matsumoto: *Path-Integral Formula for Nonequilibrium Quantum Field Theory*; in "Path Summation: Achievements and Goals", pag. 346-361, edited by S. Lundqvist, A. Ranfagni, V. Sa-yakanit, L. Schulman (World Scientific, Singapore, 1988)
221. **F. Mancini**: *Quantum Field Theory and Condensed Matter Physics*; in "Quantum Field Theory", pag. 373, edited by F. Mancini (North-Holland, Amsterdam, 1986)
222. **F. Mancini**, M. Marinaro: *Quantum Electrodynamics in Solids*; in "Progress in Quantum Field Theory", pag. 269-303, edited by H. Ezawa, S. Kamefuchi (North-Holland, Amsterdam, 1986)
223. **F. Mancini**, M. Marinaro, G. Scarpetta: *Non-Linear Excitations in Polyacetylene*; in "Theoretical Physical Meeting", pag. 227-246, edited by F. Mancini, A. Giovannini , M. Marinaro, A. Rimini (ESI, Napoli, 1984)
224. M. Fusco-Girard, **F. Mancini**, M. Marinaro: *Magnetic Properties of a Superconducting Film*; in "Recent Developments in Condensed Matter Physics", pag. 399-404, edited by J. Devreese (Plenum Pub. Corp, New York, 1981)
225. **F. Mancini**, H. Matsumoto, H. Umezawa: *Quantum Field Approach to the Study of Macroscopic Ordered States*, Acta Universitatis Wratislaviensis Nr. 436 pag. 99-173 (Wroclaw 1978)

226. **F. Mancini**: *Use of Invariant Transformations in Problems of Superconductivity*; in "Renormalization and Invariance in Quantum Field Theory", pag. 159-188, edited by E.R. Caianiello (Platinum Press, New York, 1974)

Edited Books

1. *Strongly Correlated Systems: Experimental Techniques*, edited by A. Avella, **F. Mancini**, (Springer Series in Solid-State Sciences, vol. **180**, Berlin Heidelberg: Springer-Verlag, 2015)
2. *Lectures on the Physics of Highly Correlated Electron Systems XVII*, edited by A. Avella, **F. Mancini**, AIP Conf. Proc., vol. **1550** (AIP, New York, 2013)
3. *Strongly Correlated Systems: Numerical Methods*, Edited by A. Avella, **F. Mancini** (Springer Series in Solid-State Sciences, vol **176**, Berlin Heidelberg: Springer-Verlag, (2013)
4. *Lectures on the Physics of Highly Correlated Electron Systems XVI*, edited by A. Avella, **F. Mancini**, AIP Conf. Proc., vol. **1485** (AIP, New York, 2012)
5. *Strongly Correlated Systems: Theoretical Methods*, Edited by A. Avella, **F. Mancini** (Springer Series in Solid-State Sciences, vol 171, Berlin Heidelberg: Springer-Verlag, 2011)
6. *Lectures on the Physics of Highly Correlated Electron Systems XV*, edited by A. Avella, **F. Mancini**(AIP, New York, 2011)
7. *Lectures on the Physics of Highly Correlated Electron Systems XIV*, edited by A. Avella, **F. Mancini** (AIP, New York, 2010)
8. *Lectures on the Physics of Highly Correlated Electron Systems XIII*, edited by A. Avella, **F. Mancini** (AIP, New York, 2009)
9. *Lectures on the Physics of Highly Correlated Electron Systems XII*, edited by A. Avella, **F. Mancini** (AIP, New York, 2008)
10. *Lectures on the Physics of Highly Correlated Electron Systems XI*, edited by A. Avella, **F. Mancini** (AIP, New York, 2007)
11. *Lectures on the Physics of Highly Correlated Electron Systems X*, edited by A. Avella, **F. Mancini** (AIP, New York, 2006)
12. *Lectures on the Physics of Highly Correlated Electron Systems IX*, edited by A. Avella, **F. Mancini** (AIP, New York, 2005)
13. *Lectures on the Physics of Highly Correlated Electron Systems VIII*, edited by A. Avella, **F. Mancini** (AIP, New York, 2004)
14. *Lectures on the Physics of Highly Correlated Electron Systems VII*, edited by A. Avella, **F. Mancini** (AIP, New York, 2003)
15. *Lectures on the Physics of Highly Correlated Electron Systems VI*, edited by **F. Mancini** (AIP, New York, 2002)
16. *Lectures on the Physics of Highly Correlated Electron Systems V*, edited by **F. Mancini** (AIP, New York, 2001)
17. *Lectures on the Physics of Highly Correlated Electron Systems IV*, edited by **F. Mancini** (AIP, New York, 2000)
18. *Lectures on the Physics of Highly Correlated Electron Systems II*, edited by **F. Mancini** (AIP, New York, 1998)
19. *Festschrift in Honour of Eduardo R. Caianiello*, edited by **F. Mancini**, A. Giovannini, M. Marinaro, A. Rimini (World Scientific, Singapore, 1989)
20. *Advances on Phase Transitions and Disorder Phenomena*, edited by G. Busiello, **F. Mancini**, L. De Cesare, M. Marinaro (World Scientific, Singapore, 1987)
21. *Quantum Field Theory*, Edited by **F. Mancini**, (North-Holland, Amsterdam, 1986)
22. *Theoretical Physical Meeting*, Edited by **F. Mancini**, A. Giovannini , M. Marinaro, A. Rimini (ESI, Napoli, 1984)

