

Curriculum vitae

Personal Information

FIRST NAME / SURNAME Hartmut Monien
ADDRESS Glückstrasse 14
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NATIONALITY German

Education and Career

DATES October 1995 - present
POSITION Full Professor
EMPLOYER University Bonn

DATES 1993 - 1995
POSITION Assistant
EMPLOYER ETH Zürich

DATES 1990 - 1993
POSITION Postdoctoral Fellow
EMPLOYER KITP Santa Barbara

DATES 1987 - 1990
POSITION Postdoctoral Fellow / Visiting Assistant Professor
EMPLOYER Joint appointment with the University of Illinois at Urbana-Champaign and NORDITA (Copenhagen)

DATES 1985 - 1987
QUALIFICATION AWARDED PhD
PRINCIPAL STUDIES Doctoral Thesis
INSTITUTION University Hamburg
TITLE *Transport and equilibrium properties of unconventional superconductors*

Curriculum vitae

DATES 1982 - 1985
QUALIFICATION AWARDED Diploma
PRINCIPAL STUDIES Diploma Thesis
INSTITUTION University Hamburg

DATES 1979 - 1982
QUALIFICATION AWARDED Vordiplom
PRINCIPAL STUDIES Undergraduate Studies
INSTITUTION Technical University Hannover

Academic Visits

DATES 2005
POSITION Visiting Professor
INSTITUTION National Center for Theoretical Sciences, Taiwan

DATES 2/23/2000 - 08/15/2000
POSITION JSPS Fellow
Japanese Society for Promotion of Science
INSTITUTION Yukawa Institute, Kyoto University, Japan

DATES 1987 - 1995
POSITION Visiting Fellow
INSTITUTION Los Alamos National Laboratory

DATES 1991
POSITION Consultant
INSTITUTION AT&T Bell Labs, Murray Hill, NJ

Funding

PROGRAM DFG Priority Program 1073
POSITION Principal Investigator
TITLE Pseudogaps and fluctuations in quasi-one-dimensional metals

Curriculum vitae

PROGRAM DFG Collaborative Research Centers 608
POSITION Principal investigator and co-founder
TITLE Complex transition metal compounds with spin and charge degrees of freedom and disorder

PROGRAM DAAD NSF Collaborative grant
University Bonn - Columbia University
POSITION Principal Investigator

PUBLICATIONS 72 peer-reviewed papers, 3748 citations, h-index 28

NOTABLE PUBLICATIONS

AUTHOR(S) Millis, AJ; Monien, H; Pines, D
TITLE Phenomenological model of nuclear-relaxation in the normal state of $\text{YBa}_2\text{Cu}_3\text{O}_7$
PUBLISHED Phys. Rev. B **42** (1), 167-178, Part A (1990)
TIMES CITED 899

AUTHOR(S) Freericks, JK; Monien, H
TITLE Strong-coupling expansions for the pure and disordered Bose-Hubbard model
PUBLISHED Phys. Rev. B **53** (5), 2691-2700 (1996)
TIMES CITED 231

AUTHOR(S) Baym, G; Monien, H; Pethick, CJ; et al.
TITLE Transverse interactions and transport in relativistic quark-gluon and electromagnetic plasmas
PUBLISHED Phys. Rev. Letters **64** (16), 1867-1870 (1990)
TIMES CITED 212

AUTHOR(S) Millis, AJ; Monien, H
TITLE Spin gaps and spin dynamics in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ and $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$
PUBLISHED Phys. Rev. Letters **70** (18), 2810-2813 (1993)
TIMES CITED 206

Curriculum vitae

AUTHOR(S) Monien, H; Pines, D; Takigawa, M.
TITLE One-dimensional Bose-Hubbard model with nearest-neighbor interaction
PUBLISHED Phys. Rev. B **61** (18), 12474-12489 (2000)
TIMES CITED 167

AUTHOR(S) Kühner, TD; Monien, H.
TITLE Phases of the one-dimensional Bose-Hubbard model
PUBLISHED Phys. Rev. B **58** (22), 14741-14744 (1998)
TIMES CITED 122

AUTHOR(S) Freericks, J.K.; Monien, H
TITLE Phase-diagram of the Bose-Hubbard Model
PUBLISHED Europhysics Letters **26** (7) 545 - 550 (1994)
TIMES CITED 121

AUTHOR(S) Elstner, N; Monien, H
TITLE Dynamics and thermodynamics of the Bose-Hubbard model
PUBLISHED Phys. Rev. B **59** (19), 12184-12187 (1999)
TIMES CITED 108

AUTHOR(S) Littlewood, PB; Zaanen, J, Aeppli, G; et al.
TITLE Spin fluctuations in a 2-dimensional marginal Fermi-liquid
PUBLISHED Phys. Rev. B **48** (1), 487-498 (1993)
TIMES CITED 95

AUTHOR(S) Blok, B; Monien, H
TITLE Gauge-theories of high- T_c superconductors
PUBLISHED Phys. Rev. B **47** (6), 3454-3456 (1993)
TIMES CITED 32