Curriculum vitae

Personal Information

FIRST NAME / SURNAME	Hartmut Monien
ADDRESS	Schloßstraße 37, 53115 Bonn
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EMAIL	monien@th.physik.uni-bonn.de
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	Doctoral Degree of Natural Sciences
INSTITUTION	University Hamburg
TITLE	*Transport and equilibrium properties of unconventional superconductors*

Curriculum vitae

DATES	1982 - 1985
QUALIFICATION AWARDED	Diplom of Physics
INSTITUTION	University Hamburg

DATES	1979 - 1982
QUALIFICATION AWARDED	Vordiplom Physics
INSTITUTION	Technical University Hannover

Recent Academic Visits

TITLE	*Dessins d´enfants and modular curves associated to the sporadic group Co3 and Janko2*
DATES	11/5/2019
INSTITUTION	EPFL Lausanne, Switzerland

TITLE	Conference on „Integrability, Geometry and Moduli"
DATES	7/29/2019 - 08/02/2019
INSTITUTION	Max Planck Institute for Mathematics, Bonn

TITLE	Bethe Forum Number Theoretic Methods in Quantum Physics
DATES	7/15/2020 - 7/19/2020
INSTITUTION	Bethe Center for Theoretical Physics, Bonn, Germany

TITLE	Conference Arithmetic, geometry and modular forms
DATES	06/17/2019 - 06/21/2019
INSTITUTION	ETH Zürich, Switzerland

TITLE LFANT seminar: *Inverse Galois theory, modular forms and Belyi maps the sporadic groups Janko J_2 and the Conway group Co_3*
DATES 5/21/2019
INSTITUTION Université de Bordeaux, Institute de Mathématiques de Bordeaux et Laboratoire Bordelais de Recherche en Informatique

TITLE Conference on Polynomial Computer Algebra: *Inverse Galois theory and modular curves*
DATES 04/15/2019 - 04/20/2019
INSTITUTION Euler International Mathematical Institute, St. Petersburg, Russian Federation

TITLE Mathematics Colloquium: *Inverse Galois theory: New results for sporadic groups*
DATES 4/1/2019 - 4/3/2019
INSTITUTION Charles University Prague

TITLE Workshop Quantum Dynamics, Transport, and Exotic Orders: *Strolling among Spins and Strong Correlations*
DATES 3/28/2019 - 03/29/2019
INSTITUTION Leibniz Institute for Solid State and Material Research Dresden, IFW Dresden, Germany

Extended 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

Curriculum vitae

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 Pseudo gaps and fluctuations in quasi-one dimensional metals

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

6116 citations, h-index 36 (source google scholar)
citations as of February 25, 2020

Notable Publications

AUTHOR(S) Millis, A. J.; Monien, H; Pines, D.
TITLE Phenomenological model of nuclear-relaxation in the normal state of $YBa_2Cu_3O_7$
PUBLISHED Phys. Rev. B **42** (1), 167-178, Part A (1990)
TIMES CITED 1201

AUTHOR(S) Freericks, J. K.; 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 432

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 352

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 318

AUTHOR(S) Millis, AJ; Monien, H
TITLE Spin gaps and spin dynamics in $La_{2-x}Sr_xCuO_4$ and $YBa_2Cu_3O_{7-\delta}$
PUBLISHED Phys. Rev. Letters **70** (18), 2810-2813 (1993)
TIMES CITED 263

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 238

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 238

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	201

AUTHOR(S)	Monien, H.; Monthoux P; Pines D.
TITLE	Application of antiferromagnetic-Fermi-liquid theory to NMR experiments in $La_{1..85-}Sr_{0.15}CuO_4$
PUBLISHED	Phys. Rev. B **43** (19), 275-287 (1991)
TIMES CITED	151

AUTHOR(S)	Littlewood, P.B.; Zaanen, J.; Aeppli, G; Monien, H.
TITLE	Spin fluctuations in a 2-dimensional marginal Fermi liquid
PUBLISHED	Phys. Rev. B **48** (1), 487-498 (1993)
TIMES CITED	121