

RICHARD JOHN FURNSTAHL

Department of Physics
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CURRICULUM VITAE

Born: January 13, 1959

Haddonfield, New Jersey

Education:

<i>Degree</i>	<i>Institution</i>	<i>Date</i>
Ph.D.	Stanford University	1986
B.S.	M. I. T.	1981

Academic Positions:

Full Professor	The Ohio State University	2000– <i>present</i>
Associate Professor	The Ohio State University	1995–2000
Assistant Professor	The Ohio State University	1991–1995
Assistant Research Scientist	University of Maryland	1990–1991
CTP Fellow	University of Maryland	1987–1990
Postdoctoral Fellow	Indiana University	1985–1987

Fellowships and Awards:

APS Outstanding Referee		2009
Fellow of the AAAS		2007
Harlan Hatcher Memorial Award for Excellence		2005
John and Ruth Mount Award		2004
Fellow of the American Physical Society		2001
Ohio State Alumni Award for Distinguished Teaching		1997
NSF National Young Investigator		1992–1998
Alfred P. Sloan Research Fellowship		1992–1996
Chester Davis Fellowship	Indiana University	1985–86

National Committees:

Nuclear Science Advisory Committee (NSAC)		2009– <i>present</i>
Institute for Nuclear Theory National Advisory Committee		2009– <i>present</i>
SciDAC UNEDF Council		2007– <i>present</i>

APS Division of Nuclear Physics Nominating Committee	2005–2006
APS Division of Nuclear Physics Webpage Committee	2002– <i>present</i>
National Nuclear Physics Summer School Committee (chair 2002-03)	2001–2005
National Science Foundation Committee of Visitors	2003
Institute for Nuclear Theory National Advisory Committee	1999–2001
APS Division of Nuclear Physics Education Committee	1997–2001
APS Research at an Undergraduate Inst. Award Committee (chair)	1996–98
IUCF Program Advisory Committee	1992–95
APS Maria Goeppert-Mayer Award Committee (chair 1994-95)	1993–95

Professional Societies:

American Physical Society, American Association of Physics Teachers,
American Association for the Advancement of Science

Referee:

Physical Review Letters, Physical Review B, C, and D, Nuclear Physics A, Physics Letters B,
European Journal of Physics
National Science Foundation, U.S. Department of Energy, NSERC
Editorial Board of Physical Review C (2006-2008)

Funding:

National Science Foundation Grant (PHY–9203145)	1992–95	\$118,000.
IBM Grant (with Prof. B. C. Clark)	1992–94	\$61,236.
National Young Investigator Award (PHY–9258270)	1992–97	\$270,000.
Sloan Foundation Fellowship	1992–96	\$30,000.
NSF Grant (PHY–9511923) [with Profs. Clark and Perry]	1995–98	\$475,000.
NSF Grant (DUE–9653145) [with Prof. van Heuvelen]	1997–00	\$400,000.
NSF Grant (PHY–9800964) [with Profs. Clark and Perry]	1998–01	\$750,000.
NSF Grant (PHY–0098645) [with Profs. Clark and Perry]	2001–04	\$840,000.
NSF Grant (PHY–0354916) [with Profs. Clark, Jeschonnek, and Perry]	2004–07	\$575,000.
DOE SciDAC Grant (371984 and DE–FC02–09ER41586)	2006–10	\$374,000.
NSF Grant (PHY–0653312) [with Profs. Jeschonnek and Perry]	2007–10	\$660,000.

Research:

Prof. Furnstahl’s current research applies effective field theory (EFT) and renormalization group methods to strong-interaction few- and many-body systems. This includes deriving low-momentum few-body interactions based on chiral EFT and using them to construct a microscopic energy density functional for nuclei.