

SIDNEY REDNER

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Education & Postdoctoral Training:

7/77–8/78 Postdoctoral Fellow, University of Toronto, Toronto, Canada.
9/72–6/77 Graduate study in physics at MIT, Ph.D. 6/77.
9/68–6/72 Undergraduate study in physics, University of California, Berkeley.
A.B. degree with distinction in general scholarship.

Professional Positions:

7/14– Resident Faculty Member, Santa Fe Institute.
9/89– Professor of Physics, Boston University.
9/84–8/89 Associate Professor of Physics, Boston University.
9/78–8/84 Assistant Professor of Physics, Boston University.

Administrative Positions:

Chair, Department of Physics, 7/11–1/14.
Acting Chair, Department of Physics, 9/93–8/94, 7/03–7/04.
Associate Chair, Department of Physics 9/92–8/95, 9/96–8/98, 12/00–8/03.
Director of Graduate Studies, Department of Physics 9/91–8/98, 12/00–8/03.

Honorary & Visiting Positions:

5/08 Visiting Professor, Université Pierre et Marie Curie, Paris, France.
2/08 Visiting Professor, Université Paul Sabatier, Toulouse, France.
7/07– External Faculty, Santa Fe Institute.
5/06–6/06 Senior Visiting Fellow, Newton Institute of Mathematical Sciences, Cambridge University.
9/04–9/05 Ulam Scholar, Center for Non-Linear Studies, Los Alamos National Laboratory.
1/86–5/86 Visiting Scientist & Consultant, Schlumberger-Doll Research.
8/84–2/85 Visiting Scientist, Schlumberger-Doll Research.

Research Interests:

Condensed matter & statistical physics; stochastic & first-passage processes; coarsening & phase-ordering kinetics; chemical kinetics; transport in disordered media; percolation theory & disordered systems; dynamics of social systems; structure of complex networks.

Publication Summary:

- 250 publications in refereed journals and book chapters.
- 1 monograph, “A Guide to First-Passage Processes” (Cambridge University Press, 2001).
- 1 graduate-level text, “A Kinetic View of Statistical Physics”, with P. L. Krapivsky, and E. Ben-Naim (Cambridge University Press, 2010).

Professional Affiliations:

Fellow, American Physical Society; Fellow, Institute of Physics.
Divisional Associate Editor, Physical Review Letters, 2013–
Editorial Boards: Journal of Statistical Physics, 2000–2002, 2008–, J. Informetrics, 2006–
European Physical Journal B, 2009–11, J. Stat. Mech., 2004–11.
Journal of Physics A, 2005–09.
American Journal of Physics, 2005–07, Physical Review E, 1992–97.
Advisory Panel, Institute of Physics Publishing, 2001–09.
Chair, APS Topical Group in Statistical and Nonlinear Physics, 2008–09.