



# Advice on Research and Writing

A collection of advice about how to do research and how to communicate effectively (primarily for computer scientists).

## Writing and Publishing

- [How to Organize your Thesis](#), by John W. Chinneck.
- [Advice to Authors of Extended Abstracts](#), by William Pugh.
- [Hints on good mathematical writing](#), by David Goss
- [A primer on mathematical writing](#), by Steven L. Kleiman
- [How To Have Your Abstract Rejected](#), by van Leunen and Lipton.
- [An Evaluation of the Ninth SOSP Submissions, or, How \(and How Not\) to Write a Good Systems Paper](#) by Roy Levin and David D. Redell
- [How to Get a Paper Accepted at OOPSLA](#), by Alan Snyder.
  - Includes [comments from an OOPSLA program committee](#).
- [Advice for 1996 POPL submissions](#)

## Research Skills

- [Graduate Study in the Computer and Mathematical Sciences: A Survival Manual](#), by Dianne O'Leary
- [How to be a Good Graduate Student/Advisor](#), by Marie desJardins
- [A Letter to Research Students](#), by Duane A. Bailey
- [How to do Research in the MIT AI Lab](#), ed. David Chapman
- The IUCS [Graduate Student Survival Guide](#).
  - Includes [Survival Skills for Graduate Women](#)
  - and [The Assistant Professor's Guide to the Galaxy](#).

## Speaking

- [How to Give a Good Research Talk](#), by Simon Peyton Jones et al.
- [How to Present a Paper in Theoretical Computer Science](#), by Ian Parberry.

## Career Development

- [Networking on the Network](#) by Phil Agre
- [Computer Science Faculty and Research Positions](#)
- [The Young Scientists' Network](#)
- [CRA Committee on the Status of Women in Research](#)
  - Includes a [Graduate School Information Kit for Women in Computer Science and Engineering](#)
  - and the [Distributed Mentor Project](#) for female undergraduates.
- [ACM SIGMOD academic careers information](#)
  - Includes [transcripts from the Workshop on Academic Careers for Women](#).

## Related Topics and Resources

- [Information resources for graduate students](#) by Jennifer Myers.
- [A Guide for New Referees in Theoretical Computer Science](#), by Ian Parberry.
- [On Being A Scientist: Responsible Conduct In Research](#), from the National Academy of Sciences

- Papers on [women in computer science](#).
  - Includes [Why Are There So Few Female Computer Scientists?](#), by Ellen Spertus.
- [Study, Research, and Writing Skills](#) web page from the American Communication Association.
- [Information for current and prospective graduate students](#) by Timothy Finin.
- [A Guide for Applying to Graduate Schools](#) by Piroz Mohseni.
- Ivan Sutherland, "Technology and Courage," in CMU Computer Science: A 25th Anniversary Commemorative, ed. Richard F. Rashid. ACM Press, 1991.
- Alan Jay Smith, "The task of the referee," IEEE Computer, April 1990, pp. 65-71.

## Dissertation Advice

- [Dissertation News](#), published by [The Association for Support of Graduate Students](#).
- [Resources for dissertation research](#) (gopher)
- [How to cope with "burnout"](#), by Andreas Gehmeyr.
- How to Complete and Survive a Doctoral Dissertation, by David Sternberg. St. Martin's Press, New York. ISBN 0-312-39606-6
- How to Get Control of Your Time and Your Life, by Alan Lakein. Signet Books. ISBN 0-451-16772-4
- Procrastination: Why you do it, what to do about it, by Jane Burka and Lenora Yuen. Addison-Wesley. ISBN 0-201-55089-X

## Humor

- [How to Have a Bad Career in Research/Academia](#) by David Patterson
- [Burnout Prevention and Recovery at MIT](#)
- [A Dictionary of Useful Research Phrases](#)

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