

Prabhaker Mateti

Professional Preparation

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| Regional Engineering College, Warangal | Electrical Engineering | B.E, 1969 |
| Indian Institute of Technology at Kanpur | Computer Science | M. Tech, 1973 |
| University of Illinois at Urbana-Champaign | Computer Science | Ph. D, 1976 |

Appointments

- Associate Professor, Department of Computer Science & Engineering, Wright State University, 1988 -- present.
- Associate Professor, Department of Computer Engineering & Science, Case Western Reserve University, 1981 -- 1988.
- Visiting Associate Professor, Department of Computer Science, Washington State University, 1980 -- 1981.
- Lecturer, Department of Computer Science, University of Melbourne, Australia, 1976 -- 1981.
- Instructor, Computer Science, University of Texas at Austin, 1975 – 1976

Publications

- Prabhaker Mateti, "TCP/IP Suite," in *The Internet Encyclopedia*, 3 Volume Set, Bidgoli (Ed), 2688 pages, John Wiley & Sons, ISBN: 0471222011, December 2003.
- Prabhaker Mateti, "Hacking Techniques in Wireless Networks," invited contribution to *The Handbook of Information Security*, John Wiley, to appear in 2004.
- Prabhaker Mateti, "A Laboratory Course on Internet Security," *Proceedings of the 34th ACM SIGCSE technical symposium on Computer Science Education*, Reno, Nevada, USA, 2003, pages 252 - 256, ISBN:1-58113-648-X, ACM Press New York, NY, USA.
- Chen Ding and Prabhaker Mateti, "A Framework for the Automated Drawing of Data Structure Diagrams," *IEEE Transactions on Software Engineering*, Vol. 16, No. 5, May 1990, 543-557.
- Prabhaker Mateti, and Ravi Manghirmalani, "Morris' Tree Traversal Algorithm Reconsidered," *Science of Computer Programming*, Vol. 11, 29-43, 1988.
- Prabhaker Mateti, "Pascal Versus C : A Subjective Comparison," Springer-Verlag's *Lecture Notes in Computer Science*, Vol. 79, pp. 37-69. (Also reprinted in *Comparing and Assessing Programming Languages: Ada, C and Pascal*, Prentice-Hall 1984.)

- Prabhaker Mateti, "A Specification Schema for Indenting Programs," *Software - Practice and Experience*, Vol.13, 163-179, 1983. (Reprinted in *Software Specification Techniques*, McGettrick and Gehani (Eds.), Addison-Wesley 1985.)
- Prabhaker Mateti, "A Decision Procedure for the Correctness of a Class of Programs," *Journal of ACM*, Vol. 28, No.2, pp. 215-232, April 1981.

Synergistic Activities

- A pilot course aimed at undergraduate seniors CEG499: Internet Security was developed and taught for the first time. The course has now become a regular course numbered CEG 429 and is offered twice an year, typically attracting about 50 students, and is an elective course in the two degree programs BS in CS and BS in Computer Engineering. Detailed lectures of this course are on the web <http://www.cs.wright.edu/~pmateti/InternetSecurity>.
- Panelist, NSF Graduate Research Fellowships Program, 2000-2002.
- Panelist, NSF DUE CCLI, 1998-2000.
- Supervised minority graduate students, including several females.
- Department lead in preparing for ABET and CAC visits.
- Chair, Undergraduate Studies Committee.

Collaborators & Other Affiliations

Collaborators and Co-Editors.

Sunil Gadi (graduate student), Ken Surendran (Southeast Missouri State University).

Graduate and Postdoctoral Advisors:

Professor Jürg Nievergelt, Ph. D. Advisor, ETH.

Professor Narsingh Deo, M. Tech thesis advisor, University of Central Florida.

Thesis Advisor and Postgraduate-Scholar Sponsor.

Ph D. Students (3): Amitava Datta (1992; Siemens Research), Chen Ding (1990; Independent), Kouakou Diby (1990, Ciba-Giegy).

MS Students (22): Sripriya Subramanian, Venkat Pothamsetty, Laura Daniels, Richard L. Hollenbach II, C. N. Ravikiran, David G. Ferguson, Yain Miou Chen, Himanshu Rawell, Joy Kung, Bo Liu, Kan Zhao, Ilies Bougambouz, Kouakou Diby, Joseph Warzecha, Mohamed Boumaza, Ravi Manghirmalani, Fransisco Ojeda, Yoshiharu Kato, Charles Heller, Jay Patel, Joxan Jaffar.