

INFORMATION

Resident Status: F-1 Visa (with 12-month OPT for 2008).
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EDUCATIONAL BACKGROUND

State University of New York at Binghamton, Binghamton, NY 2007
Ph.D. in Computer Science.

The Pennsylvania State University, University Park, PA 1999
M.Engr. in Computer Science and Engineering.

Marmara University, Istanbul, Turkey 1997
B.Sc. in Computer Science and Engineering.

EXPERIENCE

Research Assistant; Grid Computing Research Group 2004 – 2007
The Research Foundation of SUNY, Binghamton, NY
Grid middleware administration and maintenance, website development and maintenance. Studied adaptive information dissemination for grid resource scheduling, communication and interoperability protocols for grid middleware, efficient data transfer techniques for data grids, grid component interoperability, and semantic grids.

Teaching Assistant; Department of Computer Science 2002 – 2004
State University of New York at Binghamton, Binghamton, NY
TA for systems programming, logic design, high performance computing, and distributed systems courses.

Project Manager, Network Administrator, Software Engineer 2000 – 2002
E-base Interactive, Inc., Binghamton, NY
Management of multiple projects with overseas developers on commercial banking software, digital content management, digital signatures.
Technical support. Open source e-mail campaign software development.
Firewall and security system setup. Server pool maintenance.

System Administrator; Center for Academic Computing 1998 – 1999
The Pennsylvania State University, State College, PA
IT consultancy for science departments, web site support, job submission software for academic plotting.

System Administrator, Assistant IT Manager, Instructor; Computing Centre 1997 – 1998
Yeditepe University, Istanbul, Turkey
IT infrastructure planning and acquisition (desktop computers, servers, software, communication devices, firewalls), E-mail and web server maintenance, Instructor for Introduction to Engineering course.

System Administrator, Teaching Assistant; Computing Centre 1996 – 1997
Marmara University, Istanbul, Turkey
TA for Operating Systems and Programming Languages courses, E-mail and web server maintenance.

Application Developer; Electronic Data Processing Centre 1995 – 1996
Turkish Airlines, Istanbul, Turkey
Application development for cargo maintenance software on MVS/CICS.

REFEREED PUBLICATIONS

- **D. C. Erdil** and M. J. Lewis, "Supporting Self-Organization in Hybrid Grids", Self-Organization in Pervasive Distributed Systems, ACM SAC 2008, Ceara, Brazil, March 2008 (to appear).
- **D. C. Erdil** and M. J. Lewis, "Grid Resource Scheduling with Gossiping Protocols", In Proceedings of the Seventh IEEE International Conference on Peer to Peer Computing, Galway, Ireland, September 2007.
- **D. C. Erdil**, M. J. Lewis, and N. B. Abu-Ghazaleh, "Proxy-based Grid Information Dissemination", In Proceedings of the Workshop on Large-Scale and Volatile Desktop Grids (PCGrid 2007, in conjunction with IPDPS), Long Beach, California, March 30, 2007.
- **D. C. Erdil**, M. J. Lewis, and N. B. Abu-Ghazaleh, "An Adaptive Algorithm for Information Dissemination in Self-Organizing Grids", In Proceedings of the Second IEEE International Conference on e-Science and Grid Computing (e-Science 2006), Amsterdam, The Netherlands, December 4-6, 2006.
- **D. C. Erdil**, M. J. Lewis, and N. B. Abu-Ghazaleh, "An Adaptive Approach to Information Dissemination in Self-Organizing Grids", In Proceedings of International Conference on Autonomic and Autonomous Systems (ICAS'06), Silicon Valley, CA, July 19-21, 2006.
- **D. C. Erdil**, K. Chiu, M. Govindaraju, and M. J. Lewis, "A Proteus-Mediated Communications Substrate for LegionCCA and XCAT-C++", In Proceedings of the Workshop on Component Models and Frameworks in High Performance Computing, Atlanta, GA, June 22-24, 2005.
- S. Baydere, O. Demir, G. Devlet, G. Kucuk, M. C. Yildiz, N. Cetin, **D. C. Erdil**, and N. Girgin, "MaROS: A Framework for Application Development on Mobile Hosts", In Proceedings of the IASTED Conference (EURO-PDS'97), Barcelona, Spain, June 1997.

OTHER ACADEMIC ACTIVITIES

- Program Committee Member, International Conference on Autonomic and Autonomous Systems, 2008
- Paper referee for:
 - ACM Symposium on Applied Computing (2005 and 2006),
 - The IEEE International Symposium on High Performance and Distributed Computing (2007),
 - The IEEE/ACM International Conference on Grid Computing (2004 and 2007).
 - The IEEE International Conference on e-Science and Grid Computing (2007).
- **D. C. Erdil**, Presentation: "Running jobs on cluster machines", BU CS Grad Seminars, Binghamton, NY, October 10, 2007.
- **D. C. Erdil**, Presentation: "Grids and Gossiping", P2P2007 Conference, Galway, Ireland, September 5, 2007.
- **D. C. Erdil**, Presentation: "Proxy-based Grid Information Dissemination", PCGrid2007 Workshop, Long Beach, CA, March 30, 2007.
- **D. C. Erdil**, Presentation: "Adaptive Information Dissemination for Grid Computing", Binghamton University, Graduate Students Research Day, March 28, 2007.
- **D. C. Erdil**, Presentation: "Adaptive Information Dissemination for Self-Organizing Grids", e-Science2006 Conference, Amsterdam, The Netherlands, December 5, 2006.
- **D. C. Erdil**, Presentation: "Adaptive Information Dissemination", ICAS2006 Conference, Santa Clara, CA, July 21, 2006.
- **D. C. Erdil**, "Future Directions in the Pan-European Cellular Technology towards Third Generation Wireless Data Networks", Master's Paper and Presentation, The Pennsylvania State University, Computer Science and Engineering Department, University Park, PA, December 15, 1999.
- **D. C. Erdil**, "Mathematica Installation Manual", The Pennsylvania State University, Center for Academic Computing, University Park, PA, 1998.
- **D. C. Erdil**, Seminar: "The Linux Kernel", INET-TR'98, Istanbul, Turkey, 1998.
- Full scholarship for post-baccalaureate education (up to six years) by Ministry of Education of The Republic of Turkey.
- G. Devlet, M. C. Yildiz, O. Demir, G. Kucuk, N. Cetin, and **D. C. Erdil**, "Solaris 2.x System Administration Course Notes", Istanbul, Turkey, 1997.
- Dean's List, Cum Laude, Marmara University
- G. Devlet, and **D. C. Erdil**, Seminar: "The Linux Kernel" INET-TR'97, Ankara, Turkey, 1997.
- Instructor for UNIX System Administration courses, Nortel Networks Turkey, and others, 1997-1998.

TECHNICAL SKILLS

- Programming: Java, C++, Bash, PHP, Perl, Matlab, C, Pascal, Fortran, Natural, VisualBasic.
- Others: Latex, Office Suite(s), JXTA, HTML, XML, Delphi, Mathematica, AutoCAD.
- Grid middleware: Legion, Condor, and Globus.
- System administration: Debian/Redhat Linux, Solaris, AIX, Microsoft NT/Windows Servers.
- Experienced in GNU/Linux localization, Linux kernel customization and development.
- Specialized in computer security. Conducted research and development (secure NICs).
- Communication devices (firewalls, routers, switches), Cisco IOS, and Netfilter/iptables.
- Databases: MySQL, MS-SQL, Postgresql, and ADABAS.

PROFESSIONAL AFFILIATIONS and SERVICES

- Member of Academic Committee on Educational Technologies (ACET), SUNY-Binghamton.
- Member of ACM, IEEE, IEEE Computer Society, and USENIX.
- President of Marmara University Computer Science Alumni Association (2001-2007).
- Member of PennState Alumni Association, and the Golden Lion Society.
- Member of Turkish Informatics Society, and Turkish Linux Users Group.

REFERENCES

Available upon request.