


**APPOINTMENT**

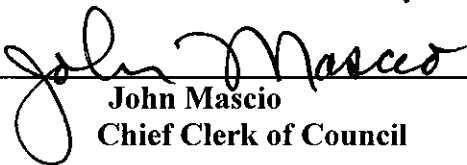
Approving the appointment of David Eckhardt to serve as a member of Allegheny County Citizens' Election System Advisory Panel for a term to expire on December 31, 2007.

***SPONSORED BY COUNCIL PRESIDENT FITZGERALD***

In Council June 5, 2007.

Received and filed.

  
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Rich Fitzgerald  
President of Council

Attest:   
\_\_\_\_\_  
John Mascio  
Chief Clerk of Council

# David A. Eckhardt — Curriculum Vitae

## Contact Information

David A. Eckhardt  
School of Computer Science  
Carnegie Mellon University  
Pittsburgh, PA 15213

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Web: <http://www.cs.cmu.edu/~davide/>

## Academic Appointments

Carnegie Mellon University

07/2006–present Associate Teaching Professor, Computer Science Department

09/2003–06/2006 Lecturer, Computer Science Department

01/2003–05/2003 Staff Instructor, Computer Science Department

01/2000–05/2000 Part-time Lecturer, Computer Science Department

## Education

05/2002 Ph.D., Computer Science, Carnegie Mellon University

12/1992 M.S., Computer Science, Carnegie Mellon University

05/1989 B.S., Computer Science, Pennsylvania State University

## Biographical Sketch

David Eckhardt is a Lecturer in the Department of Computer Science at Carnegie Mellon University. He joined the faculty after completing his doctoral studies in that department in 2002. He received a B.S. in Computer Science, with honors in Computer Science and a minor in Political Science, from The Pennsylvania State University in 1989.

Dr. Eckhardt's research interests are in the areas of operating systems, wireless networking, and high-performance networking. His work has been presented at major scientific conferences and has been published in scientific journals. He and Dr. Kevin Kahn of Intel are recipients of a patent on ATM cell scheduling.

Dr. Eckhardt teaches three upper-level Computer Science classes. In addition to teaching Computer Networks, he develops and teaches a two-class sequence in Operating Systems.

David Eckhardt is a citizen of the United States. He has held amateur radio license KA3YAI since 1990.

## Awards and Patents

Intel Foundation Graduate Fellowship, 1995-1996.

Kevin Kahn and David Eckhardt. Static and dynamic scheduling in an Asynchronous Transfer Mode communication network, April 1997. U.S. patent #5,619,502.

Herbert A. Simon Award for Teaching Excellence in Computer Science, 2006.

## Teaching Experience

### Undergraduate Classes

*Computer Networks* Spring 2000, Fall 2004, Spring 2006

*Operating Systems Design & Implementation* Spring & Fall 2003-2006, Spring 2007

*Operating Systems Practicum* Spring 2004, Spring 2005, Fall 2005-2006

### Graduate Thesis Committees

David J. Matsumoto. A hybrid approach to Effort-Limited Fair scheduling in 802.11. Master's thesis, Carnegie Mellon University, May 2003.

### Non-Credit Classes

*Amateur Radio license exam course* March 1996, February 1997, February 1999. Prepared and taught intensive amateur radio theory class to interested staff and students, resulting in approximately 15 students obtaining government-issued amateur radio licenses.

## Refereed Publications

Corey Kosak, David Eckhardt, Todd Mummert, Peter Steenkiste, and Allan Fisher. Buffer management and flow control in the Credit Net ATM host interface. In *Proceedings of the IEEE 20th Local Computer Networking (LCN) Conference*, Minneapolis, MN, October 1995.

David Eckhardt and Peter Steenkiste. Measurement and analysis of the error characteristics of an in building wireless network. In *Proceedings of the SIGCOMM '96 Symposium on Communications Architectures and Protocols*, pages 243–254, Stanford, August 1996. ACM.

David A. Eckhardt and Peter Steenkiste. Improving Wireless LAN Performance via Adaptive Local Error Control. In *Sixth International Conference on Network Protocols*, Austin, TX, October 1998. IEEE Computer Society.

David A. Eckhardt and Peter Steenkiste. A Trace-based Evaluation of Adaptive Error Correction for a Wireless Local Area Network. *Mobile*

*Networks and Applications (MONET)*, 4(4), 1999. Special Issue on Adaptive Mobile Networking and Computing.

David A. Eckhardt and Peter Steenkiste. Effort-limited fair (ELF) scheduling for wireless networks. In *Proceedings of IEEE INFOCOM 2000*, Tel Aviv, Israel, March 2000.

David A. Eckhardt and Peter Steenkiste. An Internet-style approach to wireless link errors. *Wireless Communications and Mobile Computing (JWCMC)*, 2(1), February 2002. Special Issue on Reliable Transport Protocols for Mobile Computing.

## Invited Presentations

David Eckhardt. Prospects for gigabit file servers: NFS as a plausibility study. In *Proceedings of the 4th Gigabit Testbed Workshop*, Washington, D.C., June 1993.

David Eckhardt. What is Wireless?, May 1998. Invited lecture given to Pittsburgh chapter of Chinese Association for Science and Technology (CAST-P).

David Eckhardt. E-commerce Security, November 1999. Invited lecture given to Pittsburgh chapter of Chinese Association for Science and Technology (CAST-P).

## Society Memberships

Phi Beta Kappa

Sigma Xi

IEEE Communications Society

## Service

### Departmental

Graduate school and fellowship recommendation letters (2006-2007: 31, on behalf of 7 students)

### University

Advisor, CMU Computer Club, 2005-present

### Community

Judge of Elections, 1997-present

Pittsburgh, February 2007



# COUNTY OF ALLEGHENY

**OFFICE OF THE COUNTY COUNCIL**  
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June 12, 2007

David A. Eckhardt  
School of Computer Science  
Carnegie Mellon University  
Pittsburgh, PA 15213

Dear Mr. Eckhardt:

This is to inform you that at the Regular Meeting of Council held on June 5, 2007, Council approved your reappointment to serve as a member to the Allegheny County Citizens' Election Systems Advisory Panel for a term to expire on December 31, 2007.

Congratulations on your appointment and best of luck in this undertaking. We look forward to receiving your recommendations and stand willing to assist you in any way you believe appropriate.

Sincerely,

A handwritten signature in cursive script that reads "John Mascio".

John Mascio  
Chief Clerk  
Allegheny County Council

JM/fb