Curriculum Vitae

Alfred C. Weaver

1. EDUCATION, EMPLOYMENT, AND PROFESSIONAL ACTIVITIES

1.1 Education:

Ph. D. (computer science)	University of Illinois, 1976
M. S. (computer science)	University of Illinois, 1973
B. S. (engineering science)	University of Tennessee, 1971

1.2 Professional Employment History

University of Virginia, Charlottesville, Virginia
        Associate Chair, Department of Computer Science, 2015--
        Director, Applied Research Institute, 2008--2013
        Associate Director, Applied Research Institute, 2013--
        Lucian Carr III Professor of Engineering and Applied Science, 2002--2004
        Professor of Computer Science, 1992--
        Associate Professor of Computer Science, 1983-92
        Chairman, Department of Computer Science, 1984-85
        Assistant Professor of Computer Science, 1977-1983

Virginia's Center for Innovative Technology, Herndon, VA
        Program Consultant, 1996-97 (sabbatical)

NASA--Johnson Space Center, Houston, Texas
        Computer scientist, August 1986--June 1987 (sabbatical)

Department of Computer Engineering, Lund University, Lund, Sweden
        Visiting Associate Research Professor of Computer Science, May-June 1983

Technical University of Denmark, Lyngby, Denmark
        Visiting Instructor, summer 1975

Department of Computer Science, University of Illinois, Urbana, Illinois
        Graduate Teaching Assistant, 1971-1975

IBM Graduate Fellow in Computer Science, 1975-1976

Visiting Assistant Professor of Computer Science, 1976-1977

Tennessee Valley Authority, Knoxville, Tennessee
        Engineer, Division of Research and Development, 1970-1971

Department of Computer Science, University of Tennessee, Knoxville, Tennessee
        Undergraduate Teaching Assistant, 1969-1970

1.3 Consultant Positions

Sitara Networks, Inc. 1997-98
       Design of high-speed Internet access protocols
Infocus Communications, Inc. 1996-97
       Business plan development for web hosting services
MITRE Corporation, 1995
       Design review of Pentagon ATM Communications Systems
Institute for Defense Analyses, 1990-95
       Design of real-time distributed computing systems
Honeywell, Inc., Space Systems Division, 1990-91
       Design of high-performance network interface unit
Honeywell, Inc., Sensor and Systems Development Division, 1988-92
       Design of networked industrial automation systems
E-Systems, 1990-91
       Design of very high-speed computer networks
Federal Emergency Management Agency, 1990
       Computer network design for FEMA
Lockheed Engineering and Management Company, Houston, Texas, 1986-89
       Local area network design for the NASA space station
Johnson Controls, Inc., Milwaukee, Wisconsin, 1986-87
       Local area networks for building automation
Sperry Marine Inc., Charlottesville, Virginia, 1986--
       Shipboard local area network design
Johnson & Johnson, New Brunswick, New Jersey, 1983-84
       Industrial controls and computer networks
Dallas/Fort Worth Airport, 1982-83
       Microprocessor-based environmental controls
Reliance Oil Company, Charlottesville, Virginia, 1981-83
       Microcomputer-based financial management systems
Salley-Weissinger and Co., Charlottesville, Virginia, 1980-81
       Microcomputer-based financial management/analysis systems
General Electric Company, Charlottesville, Virginia, 1980-82
       Design of numerical and programmable controls
Struthers-Dunn, Inc., Bettendorf, Iowa, 1973-84
       Microprocessor-based industrial process controller design

1.4 Professional Activities

1.4.1 Professional Societies and Activities

Institute of Electrical and Electronics Engineers (IEEE), 1973--, Fellow 1996--
Association for Computing Machinery, 1974—
Editorial Board, IEEE *Computer*, 2006--
Associate Editor, IEEE *Transactions on Industrial Electronics*
Area editor (networks and electronic commerce), IEEE *Computer*
Column editor, "How Things Work," IEEE *Computer*
Phi Eta Sigma
Tau Beta Pi
Phi Kappa Phi
Sigma Xi

IEEE Industrial Electronics Society Administrative Committee

Vice-President, IEEE Industrial Electronics Society (IES), 1992-93

President, IEEE Industrial Electronics Society (IES), 1994-95

Chairman, IEEE IES Technical Committee on Factory Communication

U.S. Army Advisory Committee for Basic Research

Chairman, Intel 432 University Users Group

ACM (Association for Computing Machinery) National Lecturer

Member, CSNet Executive Committee

General Chairman, IEEE IES Workshop on Factory Communications, March 1987

Tutorial Chairman, IEEE IES IECON, 1983-1988

Program Committee, IEEE Workshop on Languages for Factory Automation, August 1987

Technical Program Committee, IEEE Workshop on Local Area Networks, October 1987

Technical Program Committee, 13th Local Computer Networks Conference, October 1988

Technical Program Committee, 14th Local Computer Networks Conference, October 1989

Technical Program Committee, 15th Local Computer Networks Conference, October 1990

Organizing Committee, 16th Local Computer Networks Conference, October 1991

Organizing Committee, 17th Local Computer Networks Conference, September 1992

Organizing Committee, 18th Local Computer Networks Conference, September 1993

Organizing Committee, 19th Local Computer Networks Conference, October 1994

Technical Program Chairman, IEEE IECON'89, Philadelphia, Pennsylvania, November 1989

Technical Program Chairman, IEEE IECON'90, Monterey, California, November 1990

Technical Program Co-Chairman, IEEE IECON'91, Kobe, Japan, November 1991

Technical Tours Chairman, IEEE IECON'92, San Diego, California, November 1992

Technical Tutorials Chairman, IEEE IECON'93, Maui, Hawaii, November 1993

Advisor, IEEE IECON'94, Bologna, Italy, September 1994.

Tutorials Chairman, IEEE IECON'95, Orlando, Florida, November 1995.

Technical Program Committee, IEEE IECON'96, Taipei, Taiwan

Treasurer, IEEE IECON'97, New Orleans, LA, November 1997

Technical Program Committee, Submissions Chairman for North and South America, IECON'98, Hamburg, Germany, November 1998

Technical Program Committee, International Workshop on Advanced Communications and Applications for High Speed Networks, March 1992

Vice-Chairman, Workshop on Emerging Technologies and Factory Automation, August 1992

Advisory Committee, Industrial Electronics Symposium, June 1993

Administration Chairman, ETFA'93 Emerging Technologies and Factory Automation, Cairns, Queensland, Australia, September 1993

Vice-Chairman, ETFA'94 Emerging Technologies and Faculty Automation, Tokyo, Japan, November 1994.

Technical Program Chairman, ETFA'95: Emerging Technologies and Factory Automation, Paris, France, October 1995.

Organizing Committee, IWACA'92: International Workshop on Advanced Communications and Applications of High Speed Networks, Munich, Germany, March 1992.

Organizing Committee, IWACA'94: International Workshop on High Speed Teleservices and Applications, Heidelberg, Germany, September 1994.

Advisor, ISIE'94: International Symposium on Industrial Electronics, Santiago, Chile, May 1994.

Advisor, ISIE'95: International Symposium on Industrial Electronics, Athens, Greece, July 1995.

Advisor, ICIT'94: International Conference on Industrial Technology, Guangzhou, China.

Steering Committee, ACCE: AFCEA Computing Conference and Exposition, Arlington, Virginia, February 1995.

Program Chairman, IEEE International Workshop on Factory Communications Systems, Leysin, Switzerland, October 1995.

Technical Program Committee, IEEE International Workshop on Emerging Technologies and Factory Communications, Paris, France, October 1995.

Co-Chairman, IEEE International Workshop on Factory Communications, Barcelona, Spain, September 1997.

Treasurer, IEEE IECON'97 International Conference on Industrial Electronics, Control, and Instrumentation, New Orleans, LA, November 10-14, 1997.

Program Chairman, IEEE IECON'98 International Conference on Industrial Electronics, Control, and Instrumentation, Aachen, Germany, November 1998.

Program Committee, IEEE International Conference on Industrial Electronics ICIE'98, People's Republic of China, 1998.

Program Co-Chair, Workshop on Factory Communications Systems WFCS'99, May 1999.

Steering Committee, 7th International Conference on Emerging Technologies and Factory Automation, October 18-22, 1999, Barcelona, Spain.

Technical Program Co-Chair, IEEE IECON'99 Industrial Electronics, Control, and Instrumentation, December 1999.

Co-organizer, A Totally Networked Industry Environment, special theme of IECON'99, December 1999.

Publicity Committee, IECON2000, Nagoya, Japan, October 2000.

Committee Chair, IEEE IES Industrial Information Technology Committee, 2001-2005.

Track Chair for Industrial Information Technology, IECON'03, Roanoke, Virginia, Nov. 2003

Organizer and Technical Program Chair, IEEE International Conference on Industrial Informatics (INDIN'03), Banff, Alberta, Canada, August 21-24, 2003

Organizer and Technical Program Co-Chair, IEEE International Conference on Industrial Informatics (INDIN'04), Berlin, Germany, June 24-26, 2004.

Industrial Electronics Society liaison to Workshop on Factory Communications, Vienna, Austria, September 2004.

Technical Program Co-Chair, Industrial Informatics track, IECON'05, Raleigh, NC, November 2005.

Technical Program Co-Chair, Industrial Informatics track, ICIT'05, Hong Kong, December 2005.

International Advisory Board, IECON 2008, Orlando, FL, November 2008.

Technical Program Committee, Wireless Health, San Diego, CA, October 2010.

International Advisory Committee, IECON 2010, Glendale, AZ, November 2010.

Technical Program Committee, International Workshop on Privacy, Security, and Trust for Mobile and Wireless Devices, Maui, HI, July 2011.

Technical Program Committee, 2nd International Workshop on Privacy, Security, and Trust in Mobile and Wireless Systems (MobiPST'12), Munich, Germany, July 30, 2012.

Session Chair, 21st International Conference on Computer Communications and Networks (ICCCN'12), Munich, Germany, July 30-August 2, 2012.

Technical Program Committee, 3rd International Workshop on Privacy, Security, and Trust in Mobile and Wireless Systems (MobiPST'13), Nassau, Bahamas, July 30, 2013.

Technical Program Committee, 2013 Frontiers in Education Conference, Oklahoma City, OK, October 23-29, 2013.

Technical Program Committee, 4th International Workshop on Privacy, Security, and Trust in Mobile and Wireless Systems (MobiPST'14), Shanghai, China, August 7, 2014.

Technical Program Committee, 2014 Frontiers in Education Conference, Madrid, Spain, October 22-25, 2014.

Technical Program Committee, 5th International Workshop on Privacy, Security, and Trust in Mobile and Wireless Systems (MobiPST'15), Las Vegas, NV, August 3-6, 2015.

1.4.2 Honors

Fellow of the IEEE, January 1996—

Life Member, IEEE, January 2015—

Keynote Speaker, "Providing Privacy and Security for Mobile Devices," International Workshop on Privacy, Security, and Trust for Mobile Devices (MobiPST'11), Maui, Hawaii, July 2011.

2008 School of Engineering and Applied Science Distinguished Service Award

IEEE Dr. Ing. Eugene Mittelmann Research Achievement Award, 2001.

Keynote speaker, "Achieving Data Privacy and Security Using Web Services," IEEE International Conference on Industrial Technology (ICIT'05), Hong Kong, December 2005.

Keynote speaker, "A Security Architecture for Distributed Data Security," IEEE International Conference on Emerging Technologies and Factory Automation (ETFA'05), Catania, Sicily, Italy, September 2005.

Keynote Speaker, "Industrial Informatics," IEEE Industrial Electronics Society Annual Conference (IECON'03), Roanoke, VA, November 2003.

Distinguished Lecturer, IEEE Industrial Electronics Society, 1999--2005.

Keynote Speaker, "Electronic Commerce on the Internet," IEEE Industrial Electronics Annual Conference IECON'96, Kauai, Hawaii, December 1996.

IEEE Anthony J. Hornfeck Service Award, IEEE Industrial Electronics Society, 1992.

American Men and Women of Science, 1988--

1.4.3 Reviewer for Professional Journals and Research Proposals

Editorial Board Advisory Panel, IEEE *Computer*
Column editor, "How Things Work," IEEE *Computer*
Area Editor (networks and electronic commerce), IEEE *Computer*
Associate Editor, *World Wide Web Journal*
Associate Editor, *IEEE Transactions on Industrial Electronics*
Journal of Internetworking Research and Experience
IEEE *Computer*
IEEE *Spectrum*
IEEE *Transactions on Industrial and Process Control*
IEEE *Micro*
IEEE Robotics and Automation
ACM *Computing Reviews*
SOFTWARE - Practice & Experience
National Science Foundation
U. S. Army Research Office
Office of Naval Research
Virginia's Center for Innovative Technology

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.