Rich Hilliard

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Profile

Software systems architect for novel projects and assignments.

Keywords: system architecture, enterprise architecture, software architecture, software engineering, knowledge representation, modeling, requirements analysis, design and implementation, privacy, social web. Ada, Java, Javascript, Lisp, Python, Scheme; CSS, HTML, IDEF, OWL, RDF, SADT, UML, XML.

Professional Experience

Technical consultant, NHANSA, INC., September 2015–December 2020

Consulting software systems architect to private and public sector clients, May 2001–2020

Chief Technical Officer, ConsentCache, Inc., July 2000–July 2001

Director of Architecture, ephibian (formerly, Integrated Systems and Internet Solutions, Inc.), June 1998–July 2000

Lead Architect, The MITRE Corporation, August 1994–May 1998

Principal Engineer, Intermetrics, Inc., January 1991–July 1994

Lead Engineer, The MITRE Corporation, November 1982–December 1990

President, The N.I.L. Group, January 1980–November 1982

Engineer, Higher Order Software, October 1978–January 1980

Instructor, Massachusetts Institute of Technology, Experimental Study Group, September 1974–June 1979

Note: A full curriculum vitae is available on my website.

Selected Professional Activities

Expert, ISO/IEC JTC 1/AG8, Advisory Group on Meta Reference Architecture and Reference Architecture for Systems Integration, December 2018–present

ICSA 2019 Most Influential Paper Award, with David Emery for "Every Architecture Description needs a framework" from 2009 Joint Working IEEE/IFIP Conference on Software Architecture & European Conference on Software Architecture 14–17 September 2009, Cambridge UK

Chair, Enterprise IT Committee of the Professional & Educational Activities Board, IEEE Computer Society, 2019–present

Vice-chair, IFIP Working Group 2.10, Software Architecture, 2013–present; member, 2005–present

Project editor, ISO/IEC/IEEE 42010:2011, *Software and systems engineering—Architecture description*; IEEE liaison to ISO/IEC JTC1/SC7/WG 42, 2006–present

Technical editor, IEEE 1016:2009, *Standard for Information Technology—Systems Design—Software Design Descriptions*, 2001–2009

Program co-chair (with Patricia Lago), 9th Working IEEE/IFIP Conference on Software Architecture, 2011

Guest editor (with Paris Avgeriou and Patricia Lago), IEEE *Software* Special Issue on Framing Stakeholders' Concerns, 2010

Visiting scholar at Massachusetts Institute of Technology, Experimental Study Group, 2001–present

Reviewer: *Communications of the Association of Computing Machinery*, 2010; *IBM Journal of Systems and Software*, 2003; *IEEE Software*, 2005, 2013; *IEEE Systems Journal*, 2012–2013; *IEEE Transactions on Software Engineering*, 2007–2009; *Journal of Software Maintenance and Evolution*, 2004; *Journal of Systems and Software*, 2006–2011; *LNCS Transactions on Pattern Languages of Programming*, 2010; *Science of Computer Programming*, 2010

International Joint Working Group Chair Award, IEEE Standards Association, 2011

IEEE Computer Society Outstanding Contribution Award, "for outstanding technical and leadership contributions as the project editor of ISO/IEC 42010/IEEE 1471", 2007

Secretary, IEEE Architecture Working Group and technical editor of IEEE Std 1471:2000, *Recommended Practice for Architectural Description of Software-Intensive Systems*, 1995–2001

Member of Free Software Foundation

Member of IEEE Computer Society

Publications

A full list of publications is available in my curriculum vitae.