

Robert Louis Stevenson

Curriculum Vitae

Contact

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Department of Electrical Engineering
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Notre Dame, Indiana 46556

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Professional Experience

- 10/2013–Present Associate Chair, Director of Undergraduate Studies
Department of Electrical Engineering
University of Notre Dame, Notre Dame, Indiana
- 08/2002–Present Professor
Department of Electrical Engineering
University of Notre Dame, Notre Dame, Indiana
- 01/2003–6/2017 Professor
Department of Computer Science and Engineering
University of Notre Dame, Notre Dame, Indiana
- 08/1996–08/2002 Associate Professor
Department of Electrical Engineering
University of Notre Dame, Notre Dame, Indiana
- 08/1996–06/1997 Visiting Associate Professor
Department of Electrical and Computer Engineering
University of Delaware, Newark, Delaware
- 06/1994–08/1994 Research Associate
Intel Corporation, Hillsboro, Oregon
- 05/1993–08/1993 Research Associate
Air Force Office of Scientific Research
Rome Laboratories, Griffiss AFB, Rome, New York

Interdigital Exhibit 2004

Unified Patents v. Interdigital

- 08/1990–08/1996 Assistant Professor
Department of Electrical Engineering
University of Notre Dame, Notre Dame, Indiana
- 08/1989–08/1990 Graduate Research Assistant
School of Electrical Engineering
Purdue University, West Lafayette, Indiana
- 08/1986–08/1990 Graduate Teaching Assistant
School of Electrical Engineering
Purdue University, West Lafayette, Indiana
- 06/1986–08/1986 Intern
Engineering Physics Laboratory, E. I. duPont
de Nemours & Company, Wilmington, Delaware
- 06/1985–08/1985 Intern
Corporate Technology Center
Sperry Corporation, Reston, Virginia

Education

- 08/1986–08/1990 *Ph.D., Electrical Engineering*, August 1990
Purdue University, West Lafayette, Indiana
Thesis: *Invariant Reconstruction of Curves and Surfaces with Discontinuities with Applications in Computer Vision*
Advisor: Professor Edward J. Delp
GPA: 6.0/6.0
- 09/1982–06/1986 *B.S.E.E., Electrical Engineering*, June 1986
University of Delaware, Newark, Delaware
Thesis: *On the Theoretical Properties of Morphological Filters*
Advisor: Professor Gonzalo R. Arce
GPA: 4.0/4.0

Honors and Awards

- 1983 University of Delaware, Tau Beta Pi Prize
- 1984 University of Delaware, Engineering Scholar
- 1985–1986 University of Delaware, Liston A. Houston Scholarship
- 1986 IEEE Delaware Bay Section Engineering Award

- 1986 Valedictorian, University of Delaware
- 1986 Purdue University Graduate Instructor Fellowship
- 1986 Phi Kappa Phi Graduate Fellowship
- 1986–1990 DuPont Graduate Fellowship in Electrical Engineering
- 1986–1989 National Science Foundation Graduate Fellowship
- 1993 Dept. of Electrical Engineering Outstanding Teacher Award
- 2012 ICIP 2012 Outstanding Reviewer
- 2013 IS&T 2013 Service Award

Honor Societies

- 1985–Present Eta Kappa Nu, Electrical Engineering Honor Society
- 1985–Present Tau Beta Pi, Engineering Honor Society
- 1985–Present Phi Kappa Phi, Academic Honor Society

Professional Activities

Associate Editor

- IEEE Trans. on Image Processing*, 1999–2003
- IEEE Trans. on Circuits and Systems for Video Tech.*, 1997–2002
- Journal of Electronic Imaging*, 1995–1998

Special Issue Editor

- Multimedia Systems, *Journal of Electronic Imaging*, 04/1996
- Still Image Compression, *Electronic Imaging Newsletter*, 01/1996

Best Paper Award Board Membership

- IEEE Trans. on Circuits and Systems for Video Technology, 2002

Symposium Chairman

- SPIE/IS&T Symposium on Electronic Imaging, 02/2004

Conference Chairman

- IS&T Conf. Computational Imaging XIX, 01/2021
- IS&T Conf. Computational Imaging XVIII, 01/2020
- IS&T Conf. Computational Imaging XVII, 01/2019
- IS&T Conf. Computational Imaging XVI, 02/2018
- IS&T Conf. Computational Imaging XV, 02/2017
- IS&T Conf. on Visual Information Proc. & Comm. VIII, 02/2017
- IS&T Conf. on Visual Information Proc. & Comm. VII, 02/2016

SPIE/IS&T Conf. on Visual Information Proc. & Comm. VI, 02/2015
SPIE/IS&T Conf. on Visual Information Proc. & Comm. V, 02/2014
SPIE/IS&T Conf. on Visual Information Proc. & Comm. IV, 02/2013
SPIE/IS&T Conf. on Visual Information Proc. & Comm. III, 01/2012
SPIE/IS&T Conf. on Visual Information Proc. & Comm. II, 01/2011
SPIE/IS&T Conf. on Visual Comm. and Image Processing, 01/2009
SPIE/IS&T Conf. on Computational Imaging, 02/2003
SPIE/IS&T Conf. on Image and Video Comm. and Proc., 02/2000
SPIE/IS&T Conf. on Visual Comm. and Image Processing, 02/1999
41st Midwest Symposium on Circuits and Systems, 08/1998
SPIE Conf. on Electronic Imaging and Signal Processing, 11/1996
SPIE/IS&T Conf. on Still Image Compression II, 02/1996
SPIE/IS&T Conf. on Image and Video Processing IV, 02/1996
SPIE/IS&T Conf. on Image and Video Processing III, 02/1995
SPIE/IS&T Conf. on Image and Video Processing II, 02/1994

Steering Committee Member

Visual Communications and Image Processing, 1998–2010
Midwest Symposium on Circuits and Systems, 1994–1999
Electronic Imaging, 2003–2005

Organizing Committee Member

Nonlinear Signal and Image Processing Workshop, 2001

Technical Program Committee

International Conference on Image Processing, 1998 – Present
SPIE Computational Imaging, 2003–2016
Visual Communications and Image Processing, 1997–2008
European Signal Processing Conference, 2015
IEEE Symposium on Industrial Electronics & Applications, 2012
International Conference on Multimedia & Expo, 2009–2010
Image and Video Communications and Processing III, 2005
Computational Imaging, 2004
International Conference on Pattern Recognition, 2000
Int. Conf. on Acoustics, Speech, & Signal Proc., 2000, 2006–Present
International Symposium on Circuits and Systems, 1998, 2005
9th IEEE Image and Multi. Signal Processing Workshop, 1996
Midwest Symposium on Circuits and Systems, 1994

Member

Institute of Electrical and Electronics Engineers, IEEE
Society of Photographic Instrumentation Engineers, SPIE
The Society for Imaging Science and Technology, IS&T

Panel Member for the following funding agencies
National Science Foundation

Reviewer for the following funding agencies
National Science Foundation
U.S. Army Research Office
Israel Science Foundation
Hong Kong Research Grants Council
Kentucky EPSCoR Program
North Dakota EPSCoR Program
Louisiana Board of Regents

Reviewer for the following archival journals
IEEE Transactions on Signal Processing
IEEE Transactions on Image Processing
IEEE Transactions on Circuits and Systems
IEEE Transactions on Circuits and Systems for Video Technology
IEEE Transactions on Instrumentation and Measurement
IEEE Transactions on Medical Imaging
IEEE Transactions on Pattern Analysis and Machine Intelligence
IEEE Transactions on Systems, Man, and Cybernetics
IEEE Transactions on Neural Networks
Pattern Recognition Letters
Signal Processing Letters
Computer Vision, Graphics, and Image Processing
Journal of the Optical Society of America
Journal of Mathematical Imaging and Vision
Applied Optics
IET Image Processing

Reviewer for the following textbook companies
Van Nostrand Reinhold, Electrical Engineering Division
McGraw-Hill, College/Schaum Division
MacMillan Publishing Company
Prentice Hall

Publications

Journals

R. L. Stevenson and G. R. Arce, "Binary Display of Hexagonally Sampled Continuous-Tone Images," *Journal of the Optical Society of America A*, Vol. 2, pp. 1009–1013, July 1985.

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