



## Jan Van der Spiegel

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Professor of Electrical and Systems Engineering

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### Current Positions

- ⊕ Professor, Department of Electrical and Systems Engineering
- ⊕ [Director of the Center for Sensor Technologies](#)
- ⊕ Director, [Rachleff Scholars Program](#)

### Education

- ⊕ Ph.D., [Electrical Engineering, Univ. of Leuven](#), Belgium, 1979
- ⊕ Masters in Electro-Mechanical Engineering, Univ. of Leuven, Belgium, 1974
- ⊕ Candidate in Engineering, Univ. of Leuven, Belgium, 1971

### Professional History

- ⊕ 2005-present, Professor and deputy Chair, Dept. of Electrical and Systems Engineering, Univ. of Pennsylvania
- ⊕ 2002-2005, Professor and Interim Chair, Dept. of Electrical and Systems Engineering, Univ. of Pennsylvania
- ⊕ 1998-2002, Professor and Chair of Electrical Engineering, Univ. of Pennsylvania
- ⊕ 1995-present, Professor of Electrical Engineering, Univ. of Pennsylvania
- ⊕ 1994-1996, Undergraduate Curriculum Chair, EE, Univ. of Pennsylvania
- ⊕ 1992- 1998, Faculty House Master of Ware College House, Univ. of Pennsylvania
- ⊕ 1991, Faculty Fellow of Ware College House, Univ. of Pennsylvania
- ⊕ 1989- present, Director of Center for Sensor Technologies, Univ. of Pennsylvania
- ⊕ 1987, Associate Professor, Univ. of Pennsylvania
- ⊕ 1981, Assistant Professor, Univ. of Pennsylvania
- ⊕ 1980, Post-doctoral Fellow, Dept. of EE, Univ. of Pennsylvania

### Journal Editorships

- ⊕ Editorial Board, J. Journal of Electrical and Computer Engineering, 2009-
- ⊕ Guest Editor, IEEE Journal of Solid-State Circuits (January 2006 issue of the ISSCC2005)
- ⊕ Former Editor for North and South America of [Sensors and Actuators](#)
- ⊕ Former Editorial Board of the *International Journal of High Speed Electronics*
- ⊕ Former Editorial Board of the *Journal of the Brazilian Microelectronics Society*

### Professional Activities

- ⊕ 2009-present, Editorial Board of the J. Electrical and Computer Engineering IEEE ISSCC Student Research Preview Committee Chair
- ⊕ 2006-2007: Program Chair of the 2007 IEEE International Solid-State Circuits Conference
- ⊕ Elected Member of the IEEE Solid-State Circuits Society (SSCS), Jan. 2004-2007 and Jan. 2007-2010
- ⊕ Chapter Chair, Solid-State Circuits Society, IEEE
- ⊕ 2005-2006: Program Vice-Chair of the 2006 IEEE International Solid-State Circuits Conference
- ⊕ 2001-2002: Program Secretary of the IEEE [International Solid-State Circuit Conference](#).
- ⊕ 1997-present, Member of the Administrative Committee of the IEEE [Solid-State Circuits Society](#); Chapter Chairs Coordinator.
- ⊕ 1982- present, Member Executive Committee of the IEEE International Solid-State Circuits Conference
- ⊕ 1991- present, Member Program Committee of the [IEEE International Solid- State Circuits Conference](#)
- ⊕ 1992-1994, Member Technical Program Committee of the IEDM (Subcommittee on Detectors, Sensors, and Displays)
- ⊕ 1990-1994, Advisory Board of the Manufacturing Processes and Sensor Technologies (TAC) of the Ben Franklin Technology Center of Southeastern Pennsylvania
- ⊕ 1989-1991, Chairman Committee on VLSI and Technology of the IEEE International Conference on Computer Design
- ⊕ 1999-Present, Distinguished Lecturer, IEEE Solid-State Circuits Society

### Honors and Awards

- ⊕ IEEE 2007 EAB [Major Educational Innovation Award](#)
- ⊕ IEEE SSCS Outstanding Contribution Award, Feb. 2008

- ⊕ Technical Program Chair, IEEE Int. Solid-State Circuits Conf., 2007.
- ⊕ IEEE Fellow, 2002
- ⊕ IEEE Third Millennium Medal, 2000.
- ⊕ IEEE Distinguished Lecturer, Solid-State Circuits Society (1999-present)
- ⊕ Recipient of the UPS Distinguished Education Term Chair, 1998.
- ⊕ Recipient of the Bicentennial Class of 1940 Term Chair, 1991
- ⊕ Christian and Mary Lindback Foundation Award for Distinguished Teaching, 1990
- ⊕ S. Reid Warren Award for Distinguished Teaching 1987
- ⊕ Presidential Young Investigator Award, 1984
- ⊕ IBM Faculty Development Award, 1983
- ⊕ Outstanding thesis award in Electrical Engineering 1974, Royal Flemish Eng. Soc.
- ⊕ Who's Who in Technology; Who's Who in America listing.
- ⊕ Eminent Engineer Tau Beta Pi honor society, 1991
- ⊕ !

### Administrative involvement

- ⊕ Coordinator of the [SUNFEST](#) program (Research Experience for Undergraduate Students in Sensor Technologies (1986-present)
- ⊕ 2002-2005: Inerim Chair, Dept. of Electrical and Systems Engineering (U. Penn)
- ⊕ 1998-2002: Chair EE Dept (U. Penn), member AdCom
- ⊕ 1995-1997, Undergraduate Curriculum Chair, (EE, Univ. Penn)
- ⊕ 1995-96, Committee on Student Affairs (University Council)
- ⊕ 1992-98, Council of Residential Faculty
- ⊕ 1995-present, Director Center for Sensor Technologies
- ⊕ 1983-, Penn-Leuven Exchange Committee (Chair)
- ⊕ 1984-, Advisor University Scholars

### News Articles

- ⊕ [Van der Spiegel recognized for Educational Innovation](#), IEEE Solid-State Circuits Newsletter, January 2008.
- ⊕ [The best of Both Worlds](#), Penn Engineering Magazine, University of Pennsylvania, Fall 2007, pp.9-10.

### List of selected [Publications](#) (Scholarly Commons)

### List of [Projects](#)



[Van der Spiegel's homepage](#)

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