

**Curriculum Vitae**  
**Paul H. Schultz**

260 Mendoza College of Business  
University of Notre Dame  
Notre Dame, IN 46556  
(574) 631-3338  
Schultz.19@nd.edu

51351 Hidden Pines Ct.  
Granger, IN 46530

**Education**

Ph.D. (Finance, Economics)  
University of Chicago, Chicago, IL., 1988  
Advisor: Professor George Constantinides  
Dissertation Topic: Tax Selling in Common Stocks

M.B.A. (Finance, Economics)  
University of Chicago, Chicago, IL., 1985

B.A. (Economics, with honors),  
Macalester College, St. Paul, MN., 1978

**Professional Experience**

June 1998 - present John and Maude Clarke Professor of Finance  
University of Notre Dame

1997 - 1998 Visiting Associate Professor of Finance  
University of Chicago

1995 - 1997 Associate Professor of Finance  
The Ohio State University

1990 - 1995 Assistant Professor of Finance  
The Ohio State University

1988 - 1990 Assistant Professor of Finance  
University of Iowa

1985 - 1986 Instructor  
Loyola University

1982 - 1985, 1986 - 1988 Instructor  
University of Illinois at Chicago

## **Research Awards**

Smith-Breeden Prize, 1995, American Finance Association  
Pace Setter's Research Award, 1995, Ohio State University

## **Teaching Awards**

MBA Outstanding Elective Professor, Class of 1998, Ohio State University  
MBA Outstanding Core Professor, Class of 1995, Ohio State University  
MBA Outstanding 1st Year Core Professor, Ohio State University, 1994

## **Grants and Fellowships**

Morgan Stanley Equity Market Microstructure Research Grant, 2004  
TIAA-CREF Research Grant, 1998.  
Dean's Summer Fellowship, Ohio State University, 1997  
Dean's Summer Fellowship, Ohio State University, 1994  
Dean's Summer Fellowship, Ohio State University, 1993  
University Seed Grant, Ohio State University, 1992  
Old Gold Fellowship, University of Iowa, 1989  
University of Chicago Fellowship 1979-1982  
Center for Research in Securities Fellowship, University of Chicago, 1980, 1981

## **Publications**

“Options and the Bubble”, (with Robert Battalio), Forthcoming, **Journal of Finance**.

“Liquidity: Urban Versus Rural Stocks”, (with Tim Loughran), **Journal of Financial Economics** **78**, November, 2005, 341-374.

“The Role of IPO Underwriting Syndicates: Pricing, Information Production, and Aftermarket Liquidity”, (with Shane Corwin), **Journal of Finance** **60**, February 2005, 443-486 (nominated for Smith Breeden Prize).

“Weather, Stock Returns, and the Impact of Localized Trading Behavior”, (with Tim Loughran), **Journal of Financial and Quantitative Analysis** **39**, June, 2004, 343-364.

“Pseudo Market Timing and the Long-Run Performance of IPOs”, **Journal of Finance** **58**, April 2003, 483 - 517 (nominated for Brattle Prize).

“Who Makes Markets”, **Journal of Financial Markets** **6**, January, 2003, 49-72.

“Do the Individuals Closest to Internet Firms Believe they are Overvalued?”, **Journal of Financial Economics** **59**, 347-381. Excerpted in the **CFA Digest**, August, 2001.

“Corporate Bond Trading: A Peek Behind the Curtain”, **Journal of Finance** **56**, 2001, 677-698.

## **Publications (continued)**

"Regulatory and Legal Pressures and the Costs of Nasdaq Trading", **The Review of Financial Studies** **13**, 2000, 917-957. Excerpted in **Economic Intuition**, Fall 2000.

"Stock Splits, Tick Size and Sponsorship", **Journal of Finance** **55**, 2000, 429-450. Excerpted in **Economic Intuition**, Winter 2000.

"The Initiation and Withdrawal of Odd-Eighth Quotes Among Nasdaq Stocks: An Empirical Analysis", (with William Christie), **Journal of Financial Economics** **52**, 1999, 409-442.

"The Effect of Nasdaq Market Reform on Trading Costs and Depths", (with Michael Barclay, William Christie, Jeffrey Harris, and Eugene Kandel), **Journal of Finance** **54**, February 1999, 1-34, (nominated for Smith-Breedon Prize).

"Dealer Markets Under Stress: The Performance of Nasdaq Market Makers During the November 15, 1991 Market Break, (with William Christie), **Journal of Financial Services Research** **13**, 1998, 205-229.

"The Trading Profits of SOES Bandits", (with Jeffrey Harris), **Journal of Financial Economics** **50**, 1998, 39-62.

"Trading Costs and Exchange Listing: The Case of Firms that Voluntarily Move from the American Stock Exchange to the Nasdaq, (with Paul Clyde and Mir Zaman), **Journal of Finance** **52**, 1997, 2103-2112.

"The Importance of Firm Quotes and Rapid Executions: Evidence from the January 1994 SOES Rules Change, (with Jeffrey Harris), **Journal of Financial Economics** **45**, 1997, 135-166.

"Are NASDAQ Spreads Determined by Competition or Implicit Collusion?", (with William Christie), **Journal of Economic Perspectives**, Summer 1995, 199-208.

"Market Structure, Price Discovery, and the Intraday Pattern of Bid-Ask Spreads for NASDAQ Securities", (with K. C. Chan and William Christie), **Journal of Business**, January 1995, 35-60.

"Why do NASDAQ Market Makers Avoid Odd-Eighth Quotes?", (with William Christie), **Journal of Finance**, December 1994, 1813-1840 (awarded Smith-Breedon Prize).

"Why did NASDAQ Market Makers Stop Avoiding Odd-Eighth Quotes?", (with William Christie and Jeffrey Harris), **Journal of Finance**, December, 1994 1841-1860.

## **Publications (continued)**

"Aftermarket Support and Underpricing of Initial Public Offerings", (with Mir Zaman), **Journal of Financial Economics**, April 1994, 199-219.

"Unit Initial Public Offerings: A Form of Staged Financing", **Journal of Financial Economics**, October 1993, 199-229.

"Calls of Warrants: Timing and Market Reaction", **Journal of Finance**, June 1993, 681-696. Excerpted in **Financial Management Collection**, Fall 1993.

"Biases and Profit Opportunities in Warrant Markets", (with Beni Lauterbach), **Advances in Futures and Options**, Fall 1991

"Pricing Warrants: An Empirical Study of the Black-Scholes Model and Its Alternatives", (with Beni Lauterbach), **Journal of Finance**, September 1990, 1181-1209.

"Personal Income Taxes and the January Effect: Small Firm Stock Returns Before the War Revenue Act of 1917: A Note", **Journal of Finance**, March 1985, 333- 344.

"Transaction Costs and the Small Firm Effect: A Comment", **Journal of Financial Economics**, June 1983, 81-88.

## **Published Discussions**

"Discussion of Information Uncertainty and Expected Returns", 2005, *Review of Accounting Studies* 10, No.2/3.

## **Selected Working Papers**

"Momentum, Market Frictions, and the Sources of Portfolio Return Autocorrelations," Working Paper, University of Notre Dame, 2005.

"Asymmetric Information, Firm Location, and Equity Issuance," (with Tim Loughran), Working paper, University of Notre Dame, 2006.

"Downward Sloping Demand Curves, the Supply of Shares, and the Collapse of Internet Stock Prices," Working paper, University of Notre Dame, 2006.

## **Academic Presentations**

**Options and the Bubble (with Robert Battalio);**

University of North Carolina, May 2005

Morgan Stanley Microstructure Conference

**Geographic Dissemination of Information (with Tim Loughran);**  
University of South Florida, March 2005

**Liquidity: Urban Versus Rural Stocks (with Tim Loughran);**  
Southern Methodist University, October 2003.  
Wayne State University, September 2003.

**The Role of IPO Underwriting Syndicates: Information Production, Underpricing and Aftermarket Liquidity (with Shane Corwin);**  
Dartmouth College, May 2003.  
New York Stock Exchange Conference on Entrepreneurial Finance, March 2003.  
Pennsylvania State University, October, 2002.

**Pseudo Market Timing and the Long-Run Performance of IPOs;**  
University of Houston, November, 2002  
Michigan State University, September, 2001

**Do the Individuals Closest to Internet Firms Believe they are Overvalued? (With Mir Zaman);**  
University of Iowa, April, 2000.

**The Market for Market-Making;**  
University of Minnesota, January 2000  
United States Securities and Exchange Commission, October, 1999.  
University of Alberta, Edmonton, Alberta, October 1999.

**The Effect of Nasdaq Market Reform on Trading Costs and Depths (with Michael Barclay, William Christie, Jeffrey Harris, and Eugene Kandel);**  
NBER, Boston, Massachusetts, December, 1998.

**Corporate Bond Trading Costs and Practices: A Peek Behind the Curtain;**  
Western Finance Association Meetings, Santa Monica, CA, June 1999.  
Washington University, St. Louis, May, 1999.  
University of Georgia, Athens, Georgia, November, 1998.

**Stock Splits, Tick Size and Sponsorship;**  
Georgetown University, Washington, D.C. April, 1998  
University of Notre Dame, South Bend, IN, October, 1997.  
University of California at Riverside, Riverside, CA December, 1997.

**Regulatory and Legal Pressures and the Costs of Nasdaq Trading;**  
New York Stock Exchange "Markets in Transition Conference", Scottsdale, AZ, December, 1999.  
Northwestern University, Evanston, IL, October, 1997.  
Vanderbilt University, Nashville, TN, November 1997.  
University of Texas at Arlington, Arlington, TX, November, 1997.

**The Trading Profits of SOES Bandits (with Jeffrey Harris);**

American Finance Association Meetings, Chicago, January, 1998.

Loyola University, Chicago, Illinois, December, 1996.

Penn State University, University Park, Pennsylvania, November, 1996.

**"The Importance of Firm Quotes and Rapid Executions: Evidence from the January 1994 SOES Rules Change (with Jeffrey Harris);**

American Finance Association Meetings, New Orleans, Louisiana, December, 1996.

University of New Orleans, New Orleans, Louisiana, October, 1996.

Case Western Reserve University, Cleveland, Ohio, October, 1995.

**"Why do NASDAQ Market Makers Avoid Odd-Eighth Quotes?" (with William Christie);**

University of Rochester, Rochester, NY, December 8, 1994;

University of Virginia, Charlottesville, VA, October 28, 1994;

Rutgers University, Newark, NJ, September 23, 1994;

Society of Quantitative Analysts, New York, NY, September 22, 1994;

USC/UCLA/NYSE Conference on Market Microstructure, June, 1994.

**"Market Structure, Price Discovery, and the Intraday Pattern of Bid-Ask Spreads for NASDAQ Securities" (with K. C. Chan and Bill Christie);**

University of Pennsylvania, November, 1993;

Northwestern University, September, 1993;

Western Finance Association Meetings, Whistler, British Columbia, June, 1993;

University of Iowa, May, 1993.

**"Aftermarket Support and Underpricing of Initial Public Offerings" (with Mir Zaman);**

Financial Management Association Meetings, Toronto, Ontario, October, 1993.

**"Unit Initial Public Offerings: A Form of Staged Financing";**

American Finance Association Meeting, Anaheim, California, January, 1993;

Southern Methodist University, October, 1992;

University of Manitoba, February, 1992;

University of Kentucky, October, 1991.

**"Pricing Warrants: An Empirical Study of the Black-Scholes Model and Its Alternatives" (with Beni Lauterbach);**

American Finance Meeting, Atlanta Georgia. December 1989

**"Tax Loss Selling in Common Stock";**

ORSA-TIMS meeting, Washington DC, April 1988.

**Other Professional Activities**

Chairman, Finance Ph.D. program, Ohio State University, 1995-1997.

Member, MBA Policy Committee, Ohio State University, 1994-1995

Member: American Finance Association, Society for Financial Studies, Western Finance Association

Associate Editor: **Journal of Finance** 2000 - 2003, **Journal of Financial and Quantitative Analysis** 2003 -present.

Ad-hoc Referee: **Journal of Business, Review of Financial Studies, Journal of Financial Economics, Journal of Banking and Finance, Journal of Financial and Quantitative Analysis, Financial Management, Journal of Financial Research, Journal of Finance, American Economic Review**

Program Committee:

American Finance Association Conference, 2002 - 2005.

Western Finance Association Conference 2000 - 2005

Member, Nasdaq Academic Advisory Committee 2002-2005.

### **Ph.D. Dissertations Chaired**

Amy Edwards (U.S. Securities and Exchange Commission)

Shane Corwin (University of Notre Dame)