

August, 2015

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

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

**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 2009 - present Director, Center for the Study of Financial Regulation

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

Loyola University 1985 – 1986: Instructor

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

1978 - 1979 Stockbroker, Van Clemens and Co. Minneapolis, MN.

### **Research Awards**

Smith-Breedon 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, 1993, 1994, 1997  
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

### **Refereed Publications**

"The Market for New Issues of Municipal Bonds: The Roles of Transparency and Limited Access to Retail Investors." **Journal of Financial Economics** **106**, December, 2012, 492-512.

"A Simple Way to Estimate Bid-Ask Spreads from Daily High and Low Prices" (with Shane Corwin). **Journal of Finance** **67**, April 2012, 719-760.

"Regulatory Uncertainty and Market Liquidity: The 2008 Short Sale Ban's Impact on Equity Option Markets" (with Robert Battalio). **Journal of Finance** **66**, December 2011, 2013-2053.

"Mispricing of Dual-Class Shares: Profit Opportunities, Arbitrage, and Trading" (with Sophie Shive). **Journal of Financial Economics** **98**, December 2010, 524-549.

"Rational Cross-Sectional Differences in Market Efficiency: Evidence from Mutual Funds". **Journal of Financial and Quantitative Analysis** **45**, August 2010, 847-881.

"Downward-Sloping Demand Curves, the Supply of Shares, and the Collapse of Internet Stock Prices", **Journal of Finance** **63**, February, 2008, 351-378.

"Options and the Bubble", (with Robert Battalio), **Journal of Finance** **61**, October 2006, 2071-2102 (Smith Breedon Prize finalist).

"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 Breedon 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.

## Refereed Publications (continued)

"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.

"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-Breeden 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-Breeden Prize).

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

### **Refereed 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.

### **Active Working Papers**

"Liquidity in a Market for Unique Assets: Specified Pool and TBA Trading in the Mortgage Backed Securities Market," 2014, with Pengjie Gao and Zhaogang Song.

"Do the Federal Reserve's Asset Purchases Harm MBS Market Liquidity?," 2014, with Pengjie Gao and Zhaogang Song.

### **Other Publications**

"Introduction." In Schultz, Paul H., editor, *Dodd-Frank and the Future of Finance*, 1-8. MIT Press, Cambridge, MA.

"The Controversial New Disclosure Requirements in Dodd-Frank." In Schultz, Paul H., editor, *Dodd-Frank and the Future of Finance*, 217-224. MIT Press, Cambridge, MA.

"Conclusions." In Schultz, Paul H., editor, *Dodd-Frank and the Future of Finance*, 225-231. MIT Press, Cambridge, MA.

"Market Declines: What is Accomplished by Banning Short-Selling?", (with Robert Battlio and Hamid Mehran) *Federal Reserve Bank of New York Current Issues in Economics and Finance*, Vol. 18, No. 5, 2012, 1-7.

"The Credit Rating Conundrum," *University of Notre Dame Review of Financial Studies* 2, 4-5.

"Introducing Real-Time Trade Reporting for Swaps," *University of Notre Dame Review of Financial Studies* 6, 4-5.

### **Other Publications (Continued)**

“Dodd-Frank Section 1502: Using the SEC to Stop Armed Conflict in Africa,” University of Notre Dame Review of Financial Studies 7, 5-6.

Where We are Headed: Regulation and the Semi-Public Company,” University of Notre Dame Review of Financial Studies 9, 3-4.

“Are Asset Managers SIFI’s,” University of Notre Dame Review of Financial Studies 12, 7-8.

### **Published Discussions**

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

### **Books**

Schultz, Paul H., Editor (2014). “Perspectives on Dodd-Frank and Finance.” MIT Press, Cambridge, MA.

### **Academic Presentations**

2014: University of Nebraska

2013: Brandeis University – The Bond Buyer Municipal Bond Conference

2012: University of Miami, Board of Governors, Federal Reserve

2011: University of Utah, Vanderbilt University

2010: University of Kentucky, University of Oklahoma

2009: Florida State Spring Break Conference, Ohio State University, Federal Reserve Bank of Atlanta “Short-Selling: Costs and Benefits” Conference.

2008: University of Texas, Cornell University.

2007: University of South Carolina, American Finance Association Meetings, University of Western Ontario, Ohio State University

2006: Purdue University

2005: University of North Carolina, Morgan Stanley Microstructure Conference, University of South Florida

2003: Southern Methodist University, Wayne State University, Dartmouth College, New York Stock Exchange Conference on Entrepreneurial Finance, Stockholm School of Economics

2002: Pennsylvania State University, University of Houston, Indiana University

2001: Michigan State University, University of Chicago

2000: University of Iowa, University of Minnesota, Rice University.

1999: United States Securities and Exchange Commission, University of Alberta, Washington University, Western Finance Association Meetings, New York Stock Exchange AMarkets in Transition Conference@,

1998: NBER Microstructure Meeting, University of Georgia, Georgetown University, American Finance Association Meetings

1997: Northwestern University, Vanderbilt University, University of Texas at Arlington

1996: Loyola University, Pennsylvania State University, University of New Orleans, American Finance Association Meetings

1995: Case Western Reserve University

### **Academic Presentations (Continued)**

1994: University of Rochester, University of Virginia, Rutgers University, Newark, NJ, Society of Quantitative Analysts, USC/UCLA/NYSE Conference on Market Microstructure  
1993: University of Pennsylvania, Northwestern University, Western Finance Association Meetings, University of Iowa, Financial Management Association Meetings, American Finance Association Meeting  
1992: Southern Methodist University, University of Manitoba  
1991: University of Kentucky  
1990: Ohio State University  
1989: American Finance Meeting, Columbia University  
1988: University of Iowa, Southern Methodist University, University of Pennsylvania, University of Southern California, University of Texas, University of Illinois, University of North Carolina, University of Florida, University of Michigan, New York University, ORSA-TIMS meeting

### **Other Professional Activities**

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**

FMA Doctoral Student Consortium Coordinator, 2014.  
Member, Notre Dame Provost Advisory Committee, 2011-2014.  
Member, Notre Dame Mendoza Dean Search Committee, 2011-2012.  
Chairman, Finance Ph.D. program, Ohio State University, 1995-1997.  
Member, MBA Policy Committee, Ohio State University, 1994-1995

#### Program Committee:

American Finance Association Conference, 2002 - 2012.  
Western Finance Association Conference 2000 - 2014.

Member, Nasdaq Academic Advisory Committee 2002-2005.

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

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

Amy Edwards (U.S. Securities and Exchange Commission)  
Shane Corwin (University of Notre Dame)