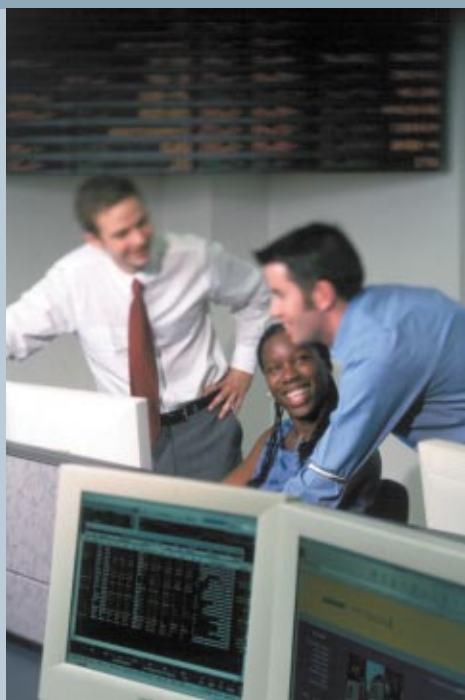


**Rotman**

# Master of Finance Program

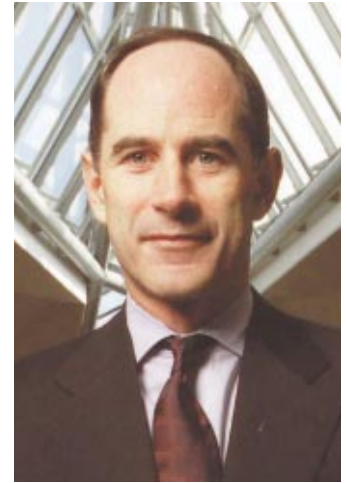


Joseph L. Rotman School of Management  
University of Toronto

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# A MESSAGE FROM THE DEAN



As the Rotman School continues its quest to be recognized as one of the best business schools in the world, one of our academic disciplines is already there: our Finance area is ranked 9th in the world by the *Financial Times* (2006), alongside Wharton, London Business School and Columbia.

In fact, our Finance area has been ranked in the FT's top ten 'Best in Finance' for four consecutive years. With a faculty roster that boasts some of today's thought leaders and world-class research capabilities, the Rotman Finance area represents the pinnacle of academic achievement in this domain.

The Master of Finance program allows us to fully mobilize our renowned Finance assets to train leaders to head up some of the world's most respected financial services organizations.

The Rotman School has become globally renowned for its unique approach to business education, which revolves around Integrative Thinking™. We teach our students to think about how all the functional disciplines interrelate to form the 'big picture'. This allows them to consider a larger number of variables and more cause-and-effect relationships when they solve problems.

Everything we do at Rotman is influenced by this 'new way to think' about business, and the Master of Finance program is no exception. Rather than accepting the world as it is presented to them, Rotman students are learning how to create new, more powerful models and solutions to shape the world around them, for the better. We're developing a new way to think about business, and we invite you to be a part of it.

## **Roger L. Martin**

Dean, Premier's Chair in Productivity and Competitiveness, and Professor of Strategic Management; Director, AIC institute for Corporate Citizenship

# A MESSAGE FROM THE PROGRAM DIRECTORS



Today's finance leaders need much more than technical training: they need to understand the overall business and market environment in which financial decisions are made, and they must have the management skills necessary to implement their ideas. Recognized as one of the world's leading business schools, the Rotman School is well equipped to provide students with the full range of training that is necessary for their future success.

As North America's third-largest financial centre, Toronto boasts a financial community that is diverse and vibrant. Many global

organizations and financial institutions have their headquarters on nearby Bay Street, and the Rotman Finance group has longstanding, close ties to this community.

The Master of Finance is the latest and most exciting development to date in our efforts to enable future finance leaders to benefit from this symbiotic relationship. Master of Finance students are carefully selected to be high-achieving finance professionals. With courses designed specifically for the program, the curriculum reflects both our own academic standards as well as input from the financial community, who

helped influence the program design to ensure graduates receive both the technical training and the career tools they need to succeed as finance leaders.

The Rotman Master of Finance program allows the School to cement its world-class status and achieve further growth and achievements for the 21st century. We look forward to welcoming you to Rotman.

**Professors John Hull  
and Jan Mahrt-Smith**  
Program Directors

# THE ROTMAN ADVANTAGE



Located in the heart of North America's third-largest financial centre, the Rotman School has all the advantages of its global peers, plus a bold new approach to business thinking that can't be found anywhere else.

If your aim is to be challenged, to not only realize your ambitions, but to redefine them, to expand your thinking and broaden your horizons, then you've come to the right place. At Rotman, we will provide you with a transformational learning experience that empowers you to think through the complexities of modern business and drive action in a quickly-changing world.

The Rotman Master of Finance program offers a mix of theoretical and applied courses at the highest academic and professional levels,

with content that goes significantly deeper and broader than that offered by an undergraduate commerce degree, a CFA, or any other professional program.

Master of Finance graduates obtain the best theoretical and applied finance training currently available in the world, short of a PhD in Finance, placing them amongst the most qualified finance leaders in their institutions.

By learning about 'the business of finance' as opposed to just quantitative skills, Master of Finance graduates are prepared to move quickly into leadership positions. Their ability to understand and develop advanced financial models and strategies, while at the same time communicating effectively with clients about real-world business needs,

makes them superb candidates for positions of leadership.

'MFin' graduates will find employment in areas such as investment banking, commercial banking, fund management, trading and risk management, and corporate finance. Many will find themselves on the fast track to becoming managing director or partner in charge of a finance functional area. Their skills will make MFin well suited to being the vital link between technical and non-technical employees in financial institutions.

In short, Master of Finance graduates will become much more than Finance experts; they will become tomorrow's finance leaders.

# WE'RE TRANSFORMING BUSINESS EDUCATION...

AND THE WORLD IS TAKING NOTICE

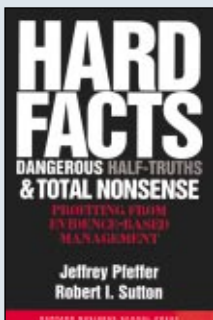
More valuable than what the Rotman School says about itself is what the world's media, business and thought leaders say about us.



## January 2006

In its 2006 ranking of full-time MBA programs worldwide, the *Financial Times* ranks Rotman 24th in the world. The School ranks in the top ten worldwide for Finance, and Rotman faculty are ranked 17th in the world for their research output. Rotman now ranks in the top 15 overall in North America.

Dean **Roger Martin** facilitates two workshops for business leaders at the World Economic Forum in Davos, Switzerland: the CEO Series session, "Who's Choosing Whom?" and "The Big Debate: Setting the Business Agenda." He is also a panelist for the "Prepping for the Creative Economy" session.



## November 2005

In the *Financial Times*' homage to management guru **Peter F. Drucker**, **Simon London** writes, "A handful of enlightened business school deans — [such as] **Roger Martin** at the University of Toronto's Rotman School — are starting to preach the gospel of integrated thinking, cross-disciplinary studies and learning-by-doing."

## September 2003

"Schools like Rotman are focusing on changing how people think about business — an essential element in changing what they do and how they manage." — **Jeffrey Pfeffer**, Thomas D. Dee II Professor of Organizational Behaviour, Stanford Graduate School of Business and author of *Hard Facts, Dangerous Half-Truths and Total Nonsense: Profiting from Evidence-Based Management* (with Robert Sutton), writing in *Rotman Magazine*.

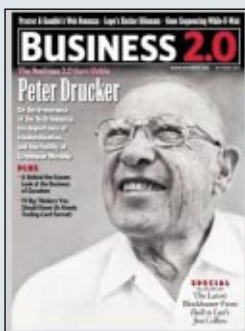


## April 2003

"Rotman students are learning to think in new and unique ways; that's incredibly important, because they will bring these thinking skills to the organizations that they join. New thinking is what's needed in today's competitive global marketplace." — **A.G. Lafley**, CEO, Procter & Gamble Company.

## October 2002

As part of its annual survey of MBA recruiters, *The Wall Street Journal* names the Rotman School one of 10 'hidden gems' — schools that "produce excellent graduates but do not receive the recognition they deserve." This is the first time a non-American business school has earned this designation.



## June 2002

"What the Rotman School is doing may be the most important thing happening in management education today." — Management guru **Peter F. Drucker**, renowned business scholar and author of more than 30 books, speaking at the Rotman School.

# PROGRAM OVERVIEW



Each September, the Master of Finance program accepts 50 first-rate students, who take three courses per term and can remain fully employed throughout the 20-month program.

The program runs over five terms: September-December; January-April; May-July; September-December; and January-April. Courses take place on Wednesday nights (one class) plus every other Saturday (two classes).

Given that most students work full time, allowances will be made for unavoidable work commitments. Depending on the circumstances, this may include flexible exam schedules, online submission of assignments, and even some recorded classes.

All courses have been designed specifically for this program, and are mandatory for all students. Following is a sketch of the curriculum:

Fall Term I	Spring Term I	Summer Term	Fall Term II	Spring Term II
Foundations of Finance I	Management of Large Financial Transactions	Analysis of Fixed Income Markets	Foundations of Finance II	Leadership in Financial Institutions and Corporations
Theory and Practice of Modern Corporate Finance	Investment Banking	Advanced Accounting for Finance Professionals I	Advanced Accounting for Finance Professionals II	Derivatives: Advanced Theory and Practice
Introduction to Derivatives	Risk Management and Financial Institutions		Portfolio Management and Trading Risks	Theory and Practice of Modern Investments





## THE WORD ON THE STREET

“Bay Street needs more people with the sort of training Rotman is offering on its Master of Finance program. I expect graduates of the program to do very well.”

**Ron Lloyd**, Chairman and CEO, Credit Suisse Canada

“At Scotia Capital we have always been impressed with the skill level of Rotman’s graduates. This new program will push that level of excellence that much further by combining theoretical study with hands-on experience allowing students to gain the in-depth professional knowledge necessary to succeed in today’s competitive business environment.”

**Gemma Miranda**, Director, Recruitment, Employee Development & Leadership Development, Scotia Capital and Global Risk Management

“Increasingly people seeking careers in finance will require the type of in-depth training offered by programs such as this.”

**Greg Mills**, Head of Global Equities, RBC Capital Markets



“At TD we are always interested in attracting the best and brightest talent, so I’m especially looking forward to the caliber of graduates that I know we’ll see from the Rotman Master of Finance program. I am confident that the broad-based perspective of the Finance program at Rotman, coupled with the truly world-class faculty, will deliver the kind of candidate the business community is looking for.”

**Chak Raghunathan**, Senior Vice President, Trading Risk Management, TD Bank

“As a Rotman graduate I am very pleased to see the launch of this new program. Rotman has a great finance faculty and the program provides the right blend of theoretical and applied finance training to help students become tomorrow’s finance leaders.”

**Bill Downe**, Chief Operating Officer, BMO Financial Group

“Rotman’s Master of Finance degree will provide a major career boost to anyone who is serious about advancing in the competitive global financial sector.”

**Marlene Puffer**, Managing Director, Twist Financial Corp.



# COURSE DESCRIPTIONS

## Foundations of Finance I

- Analytical foundations of modern finance
- Valuation methods for projects, firms, and securities
- Risk-return trade-offs and portfolio decisions
- Corporate financing decisions and financial strategies
- Empirical evidence

## Theory and Practice of Modern Corporate Finance

- Valuation of public firms, private firms, corporate divisions, and assets
- Capital structure and financing choices
- Comparative valuation, DCF, EVA, CFE, etc.
- Real options
- Financial strategy and financial architecture

## Introduction to Derivatives

- Futures, forwards, swaps, and options
- Binomial derivative pricing
- Hedging strategies
- Introduction to Black-Scholes
- The Greek letters

## Management of Large Financial Transactions

- Managerial aspects of large financial transactions such as mergers & acquisitions, spin-offs, LBOs, MBOs, structured finance, project finance, recapitalizations, equity issues, IPOs, etc.
- Negotiation skills in financial transactions
- Corporate strategy and financial transactions
- Corporate governance and corporate control

## Risk Management and Financial Institutions

- Basel II
- Credit risk, market risk and operational risk
- Calculation of economic capital
- Credit derivatives and how they are used
- What we can learn from financial disasters



## Investment Banking

- Financial aspects of mergers, takeovers, and other large corporate transactions
- Real-world considerations in capital raising, divestitures, acquisitions, project finance, and other strategic financial decisions
- Firm financial decisions and the regulatory environment
- The interaction of financial choices and corporate strategy
- Getting the deal done!

## Advanced Accounting for Finance Professionals I

- Understanding published financial data
- Key issues in accounting
- Interpreting financial statements and making informed investment decisions
- Reporting strategies of firms
- The regulatory environment of accounting



### Analysis of Fixed Income Markets

- Debt securities, their uses and their evolution (there are hundreds!)
- Analytical tools for fixed income markets
- Applications of derivatives pricing methodologies in fixed income markets
- Managing debt
- Innovative analytics in the Finance Trading Lab

### Foundations of Finance II

- Understanding modern theories of asset pricing (CAPM, APT, Fama-French, multi-factor models, etc.), as well as the relevant empirical findings
- Advanced corporate finance theory and its application
- Economic evidence on finance phenomena
- Incomplete information, agency theory, and other economic conundrums
- Behavioral finance

### Portfolio Management and Trading Risks

- Sources of information for finance professionals
- Applied portfolio management and risk management tools
- Hedge fund strategies
- Portfolio management exercise in the Finance Trading Lab
- Order execution and execution risk

### Advanced Accounting for Finance Professionals II

- Financial Shenanigans and related accounting issues
- Reporting incentives and disincentives for firms and their consequences for financial decision makers
- How corporate valuation and financial decisions are affected by accounting decisions
- Relationship between accounting, finance, economics, and strategy
- Real-time company analysis

### Leadership in Financial Institutions and Corporations

- Leading a financial institution
- Managing and making decisions in large firms and institutions
- Integrative management in finance
- Ethical issues in finance
- Attributes of a successful finance executive – and how to acquire them

### Derivatives: Advanced Theory and Practice

- Stochastic calculus
- Black-Scholes, numerical procedures, and other derivatives valuation tools
- Interest rate derivatives and how they are used
- Exotic options and real options
- Understanding the 'quants'

### Theory and Practice of Modern Investments

- Asset allocation
- The impact of the term structure of interest rates on investment decisions
- Bond and stock portfolio management theory
- Using modern valuation techniques to develop optimal investment strategies
- Technical analysis, fundamental analysis, value investing, and other approaches
- Market anomalies

# FACULTY

The Rotman School did not become a global top-ten Finance school overnight, but rather, by design: we've been building up one of the world's strongest Finance faculties for years, and we continue to add rising stars to our roster. Master of Finance students benefit from the wide range of expertise offered by a global top-tier faculty. Following is a list of finance faculty with a brief sampling of their accomplishments. For a full list of faculty publications, research interests, and accomplishments, visit [www.rotman.utoronto.ca/facbios](http://www.rotman.utoronto.ca/facbios)



**Laurence Booth, DBA (Indiana University)**

*Professor of Finance and CIT Chair in Structured Finance*

Finance Area Coordinator; National Post Leaders in Management Education Award, 2003; MBA Second Year Instructor of the Year, 1996, 1998, 2000.

**Sample publications:** "Dividend Smoothing and Debt Ratings," *Journal of Financial and Quantitative Analysis* (June 2006); "Formulating Retirement Targets and the Impact of Time Horizon on Asset Allocation," *Financial Services Review* (Spring 2004); "Capital Structures in Developing Countries," *Journal of Finance* (2001) — abstracted in the *CFA Digest*, August 2001



**Donald Brean, PhD (University of Toronto)**

*Associate Professor of Finance and Business Economics*

Academic Director, Diploma Programs, Woodsworth College; Associate, Institute for Research on Public Policy and Centre for International Governance Innovation; IMF International Panel of Tax Experts (IMF, Washington)

**Sample publications:** "Bank Reform in China: What it Means to the World" (Asia-Pacific Institute, 2006); *International Financial Management: Canadian Perspectives* with C. Eun and B. Resnick (McGraw-Hill, 2005); *Taxation in Modern China* (Routledge, 1999)



**Sergei A. Davydenko, PhD (London Business School)**

*Assistant Professor of Finance*

Research Consultant, Standard & Poor's Risk Solutions, 2002 - 2004

**Sample publications:** "Strategic Actions and Credit Spreads: An Empirical Investigation" *Journal of Finance* (2006); "Do Bankruptcy Codes Matter? A Study of Defaults in France, Germany and UK" (2005); "A Comparative Analysis of the Recovery Process and Recovery Rates for Private Companies in the UK, France and Germany" (Standard & Poor's Risk Solutions, 2004)



**Francois Derrien, PhD (HEC School of Management)**

*Assistant Professor of Finance*

HEC best thesis award, 2004; Excellence in teaching award, Commerce Program, 2005; Research cited in *US News and World Report*, *Toronto Star*, and others.

**Sample publications:** "Analyst Hype in IPOs: Explaining the Popularity of Bookbuilding", *Review of Financial Studies* (2006); "The Initial Public Offerings of Listed Firms", *Journal of Finance* (2006); "IPO Pricing in 'Hot' Market Conditions: Who Leaves Money on the Table?" *Journal of Finance* (2005)





**Craig Doidge, PhD (Ohio State University)**  
Assistant Professor of Finance

Excellence in Teaching Award, 2003-2005; Fama-DFA Prize for Best Paper in Capital Markets and Asset Pricing published in the *Journal of Financial Economics*, 2004

**Sample publications:** "Measuring the Economic Importance of Exchange Rate Exposure", *Journal of Empirical Finance* (2006); "U.S. Cross-listings and the Private Benefits of Control: Evidence from Dual-Class Firms", *Journal of Financial Economics* (2004); "Why are Foreign Firms Listed in the U.S. Worth More?" *Journal of Financial Economics* (2004)



**Jin-Chuan Duan, PhD (University of Wisconsin-Madison)**  
Professor of Finance and Manulife Chair in Financial Services

Editor, *International Journal of Financial Education*; Associate Editor, *Journal of Financial Econometrics*; Roger Martin and Nancy Lang Award for Research Excellence (2003)

**Sample publications:** "Approximating GARCH-Jump Models, Jump-Diffusion Processes, and Option Pricing", *Mathematical Finance*, (2006); "Executive Stock Options and Incentive Effects due to Systematic Risk", *Journal of Banking and Finance* (2005); "Option Valuation with Co-Integrated Asset Prices", *Journal of Economic Dynamics and Control* (2004)



**Alexander Dyck, PhD (Stanford University)**  
Associate Professor of Finance

Academic Director, Directors Education Program; Finance Area PhD Coordinator; Rotman MBA 2nd Year Professor of the Year  
**Sample publications:** "Private Benefits of Control: An International Comparison", *Journal of Finance* (2004); "Control Premiums and the Effectiveness of Corporate Governance Systems", *The Bank of America Journal of Applied Corporate Finance* (2004); "The Bubble and the Media," in *Corporate Governance and Capital Flows in a Global Economy* (Oxford University Press, 2003)



**David Goldreich, PhD (Carnegie-Mellon University)**  
Associate Professor of Finance

Professor of the Year, 2006; Best Teacher Award (Junior Faculty), London Business School, 2000; Research Affiliate, Centre for Economic Policy Research (CEPR)  
**Sample publications:** "The Price of Future Liquidity: Time-Varying Liquidity in the US Treasury Market", *Review of Finance* (2005); "Bookbuilding: How Informative is the Order Book?" *Journal of Finance* (2003); "Bookbuilding and Strategic Allocations," *Journal of Finance* (2001)



**Paul Halpern, PhD (University of Chicago)**  
Professor of Finance and Toronto Stock Exchange Chair in Capital Markets

Director, Capital Markets Institute; Chair of the Advisory Board, Canadian Investment Institute for Policy Analysis and Faculty of Law, University of Toronto

**Sample publications:** "Quality Standards for Index Products," *Barclays Global Investors* (2001); "The Evolution of Equity Markets: A Canadian Perspective," in *New Investment Opportunities*, Centre for Finance (2001); "Strip Bonds and Arbitrage Bounds," *Canadian Journal of Administrative Studies* (2000)



**John C. Hull, PhD (Cranfield University)**  
Professor of Finance and Maple Financial Group Professor of Derivatives and Risk Management

Voted the academic who has made the most contribution to the derivatives industry over the previous five years (ICBI, 2006); *Risk Magazine* Hall of Fame as one of the 50 people who have "made a profound contribution to the field of risk management" (2002); Chairman of the Moody's Academic Advisory Committee; Financial Engineer of the Year (International Association of Financial Engineers, 1999); Roger Martin and Nancy Lang Award for Excellence in Teaching (1999)

**Sample publications:** *Options, Futures, and Other Derivatives* (Prentice-Hall, sixth edition, 2006); *Fundamentals of Futures and Options Markets* (Prentice-Hall, fifth edition, 2005); *Risk Management and Financial Institutions* (Prentice-Hall, 2006); "Bond Prices, Default Probabilities, and Risk Premiums", *Journal of Credit Risk* (2005)



# FACULTY (cont'd)



**Raymond Kan, PhD** (University of Chicago)

Associate Professor of Finance and National Bank Financial Professor in Capital Markets

Dean's Award for Research Excellence (2001); Petro Canada Young Innovator Award (1999); Dimensional Fund Advisor Award (1991)

**Sample publications:** "Optimal Portfolio Choice with Parameter Uncertainty," *Journal of Financial and Quantitative Analysis* (2006); "Two-pass Tests of Asset Pricing Models with Useless Factors," *Journal of Finance* (1999); "Tests of the Relations Among Marketwide Factors, Firm-Specific Variables, and Stock Returns Using a Conditional Asset Pricing Model," *Journal of Finance* (1996)



**Eric Kirzner, MBA** (University of Toronto)

Professor of Finance and John H. Watson Chair in Value Investing

Director, The Equitable Trust Group; Chair, Ontario Securities Commission Retail Investors Advisory Committee; Chair, Independent Board of Advisors of Scotia Securities

**Sample publications:** *Protect your Nest Egg* (Canwest Publications, 2006); *2004 Buyer's Guide to Mutual Funds* (Penguin Books, 2003); *Secrets to Successful Investing* (Prentice-Hall, 2002)



**Lisa Kramer, PhD** (University of British Columbia)

Assistant Professor of Finance

Media coverage of her research has appeared in/on CBC (Radio, Television), *The Daily Telegraph*, *Toronto Star*, *Washington Post*, *Wall Street Journal*, *US News and World Report*, *Newsweek*, *Money*, and more.

**Sample publications:** "Winter Blues and Time Variation in the Price of Risk," *Journal of Empirical Finance* (2005); "Winter Blues: A SAD Stock Market Cycle," *American Economic Review* (2003); "Losing Sleep at the Market: The Daylight Saving Anomaly," *American Economic Review* (2000)



**Alexandra MacKay, PhD** (York University)

Senior Lecturer in Finance

Professor of the Year Teaching Excellence Award, MBA (2002); Roger and Nancy Martin Award for Excellence in Teaching (2000); Harvey Rorke Memorial Prize (1998)

**Sample publications:** "Rail Infrastructure Management Policy: Applying a Real Options Methodology," *Public Works Management and Policy* (2004); "Hedge Funds," *Canadian Investment Review*, (2000); "Non-Segmented Equilibria Under Differential Taxation: Evidence from the Canadian Government Bond Market," *European Finance Review* (2000);



**Jan Mahrt-Smith, PhD** (Massachusetts Institute of Technology)

Assistant Professor of Finance

Director, Master of Finance Program; Roger Martin and Nancy Lang Award for Excellence in Teaching at Rotman, 2005; Professor of the Year, 1st Year MBA, 2003; One of 4 Canadian Recipients, HP Technology for Teaching in Higher Education Grant

**Sample publications:** "Corporate Governance and the Value of Cash," *Journal of Financial Economics* (2006); "The Interaction of Capital Structure and Ownership Dispersion," *The Journal of Business* (2005); "International Corporate Governance and Corporate Cash Holdings," *Journal of Financial and Quantitative Analysis* (2003)



**Tom McCurdy, PhD** (London School of Economics)

Professor of Finance and Bonham Chair in International Finance

Founding Academic Director, Financial Research & Trading Lab; Associate Fellow, CIRANO; Associate Editor, *Journal of Financial Econometrics*

**Sample publications:** "News Arrival, Jump Dynamics and Volatility Components for Individual Stock Returns," *Journal of Finance* (2004); "Nonlinear Features of Realized FX Volatility," *Review of Economics and Statistics* (2002); "Identifying Bull and Bear Markets in Stock Returns", *Journal of Business and Economic Statistics* (2000)



**Lukasz Pomorski,**  
PhD (University  
of Chicago,  
expected 2006)  
Assistant Professor  
of Finance

**Sample publications:** "Follow the Leader: Peer Effects in Mutual Fund Portfolio Decisions," Working Paper 2006; "Investing in Disappearing Anomalies", Working Paper, 2005; "Style Investing: Evidence from Mutual Fund Flows," Working Paper, 2004



**Marcel Rindisbacher, PhD**  
(Université de Montréal)  
Associate Professor  
of Finance

Bourse d'excellence, Université de Montréal

**Sample publications:** "Simulation Methods for Optimal Portfolios", *Handbook of Operations Research and Management Science* (2005); "Intertemporal Asset Allocation: A Comparison of Methods," *Journal of Banking and Finance* (2005); "Explicit Solutions of a Portfolio Problem with Incomplete Markets and Investment Constraints", *Mathematical Finance* (2005)



**Wendy Rotenberg,**  
PhD (University  
of Toronto)  
Professor of  
Accounting and  
Finance

Director, University of Toronto Commerce Program; Editorial Board, *Contemporary Accounting Research*

**Sample publications:** "Modeling the Management Buyout Decision," *Journal of Economic Behaviour and Organization* (1998); "On the Heterogeneity of Leveraged Going Private Transactions", *Review of Financial Studies*, (1999); "Accounting and Accounting Education in the People's Republic of China," *International Studies of Management and Organization* (1999)



**Kevin Q. Wang,**  
PhD (University  
of Chicago)  
Associate Professor  
of Finance

Petro Canada Young Innovators Award, 2000; SSHRC Grants, 2001-2005, 2006-2009

**Sample publications:** "Multifactor Evaluation of Style Rotation," 2005, *Journal of Financial and Quantitative Analysis* (2005); "Time-Varying Risk Aversion and Unexpected Inflation," *Journal of Monetary Economics* (2003); "Asset Pricing with Conditioning Information: A New Test," *Journal of Finance* (2003)



**Jason Z. Wei,**  
PhD (University  
of Toronto)  
Professor of  
Finance

Division Editor, *Canadian Journal of Administrative Sciences*; Most Effective Professor of the Year, 1998; Editorial Board, *Journal of Derivatives*

**Sample publications:** "Corporate Yield Spreads and Bond Liquidity," *Journal of Finance* (2005); "Executive Stock Options and Incentive Effects due to Systematic Risk," *Journal of Banking and Finance* (2005); "Stock Market Returns: A Note on Temperature Anomaly", *Journal of Banking and Finance* (2005)

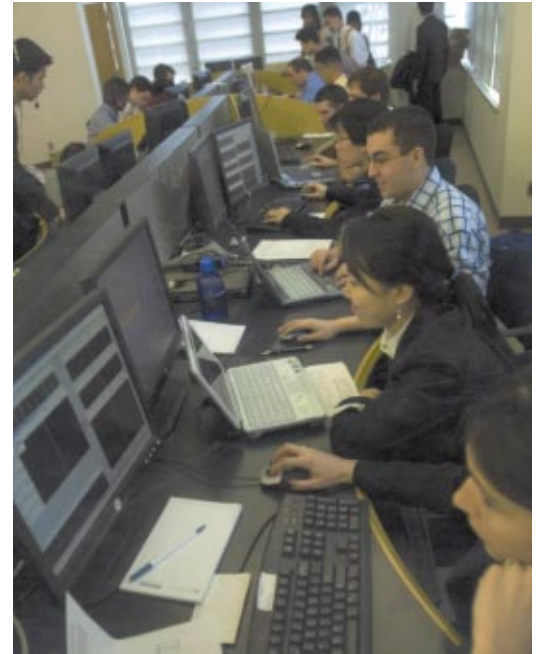


**Alan White, PhD**  
(University of  
Toronto)  
Professor of Finance  
and Peter Mitchelson/  
SIT Foundation Professor  
of Investment Strategy

Editorial Board, *Journal of Derivatives*; Principal Investigator, Capital Markets Institute

**Sample publications:** "Merton's Model, Credit Risk, and Volatility Skews," *Journal of Credit Risk* (2004); "Valuation of a CDO and nth to Default CDS Without Monte Carlo Simulation," *Journal of Derivatives* (2004); *Hull-White on Derivatives*, with John Hull (Risk Books, 1996)

# THE FINANCIAL RESEARCH AND TRADING LAB



In recent years, financial markets have grown exponentially in size and exposure. With increasing globalization, market and corporate developments require rapid, accurate, and sophisticated in-depth analysis. To enable its students to remain competitive in this environment, the Rotman School has its own **Financial Research and Trading Lab (FRTL)** — a state-of-the-art facility that combines some of the most advanced computer hardware with sophisticated financial analysis software and databases.

The FRTL enhances the School's teaching and training by providing

students with direct access to the global financial community and its resources in a real-time setting, contributing to the integration of theory and practice by delivering hands-on experience that enhances the global competitiveness of our students. FRTL equipment includes 30 dual flat screen workstations; a Bloomberg terminal; two projection screens; an integrated sound system with remote microphone; and two datawalls. Data feeds include Bloomberg, Reuters 3000 Xtra, and Reuters Station, and available applications include Rotman Interactive Trader, Portfolio Chooser, and StockVal.

Throughout the year, the FRTL offers **training courses** to the Rotman community on a regular basis, as well as a **speaker series** for students interested in capital markets. The Visiting Expert Series brings the knowledge, experience and professionalism from the workplace into the classroom. Speakers come from institutions that are vital to the operation of Canadian capital markets. During each discussion, they focus on their institution's role in capital markets, while touching upon the skills required for their employees, and perspectives for hiring. In the first year of the series, speakers from The TSX



# ROTMAN INTERACTIVE TRADER



Group, Market Regulation Services, Ontario Teachers' Pension Plan, TD Securities, and CIBC World Markets shared their expertise with Rotman students.

The FRTL also hosts a series of **trading competitions** throughout the year, including the annual Rotman International Trading Competition (RITC), which brings together more than 30 teams of students and faculty coaches from universities worldwide to participate in a unique two-day conference.

For more on the annual *Rotman International Trading Competition*, visit [www.rotman.utoronto.ca/finance/lab/RITC/](http://www.rotman.utoronto.ca/finance/lab/RITC/)



Students signal trades to floor traders during a trading competition.

The Financial Research and Trading Lab recently introduced **Rotman Interactive Trader (RIT)**, a new breakthrough tool in trading education. The software, developed at Rotman, creates a real-time trading environment where participants are presented with challenging situations designed to teach different types of investment, trading, and hedging strategies in a hands-on manner. The software supports equity, fixed income, and derivatives products and has been designed to function on either a local university network or via the Internet.

"RIT enables students to apply, critically examine, and develop what they have learned in the classroom using applications and information that they will find in the workplace. This initiative is a prime example of our learning-by-doing approach," says Prof. Tom McCurdy, the FRTL's founding academic director and co-author of the trading cases.

For more information, visit <http://rit.rotman.utoronto.ca>



# THE ROTMAN NETWORK

As Rotman MFin graduates, you will join a thriving alumni network of more than 17,000 business graduates of the University of Toronto, who occupy leadership positions in 71 countries worldwide. Our alumni programs will enrich your life for years to come and keep your personal network robust. We encourage graduates to stay connected with their classmates through the Rotman Alumni Portal

and a complimentary lifetime Rotman e-mail account, which ensures your classmates are always just a keystroke away. Year-round, you will be invited to network with fellow alumni at events that feature a roster of exciting speakers and offer an opportunity to expand your business circle with new contacts. At Rotman, we make it easy for you to get connected, and stay connected.



## NOTABLE ROTMAN ALUMNI INCLUDE

**Rachel Brandes (MBA '97)**  
Vice-president, Finance  
and CFO, Visa Canada

**John Cassaday (MBA '81)**  
President and CEO,  
Corus Entertainment

**Kevin Dougherty (MBA '98)**  
President,  
SunLife Financial Canada

**Lindsay Duffield (MBA '85)**  
President and CEO,  
BMW Group Canada

**Patrick Fung (MBA '73)**  
Chairman and CEO,  
Wing Hang Bank, Hong Kong

**Gerrard P. Rocchi (MBA '81)**  
President and CEO,  
Barclay Global Investors Canada

**Joseph L. Rotman (MComm '60)**  
Chairman and CEO,  
Roy-L Capital Corp.

**Anne Sado (MBA '81)**  
President, George Brown –  
The Toronto City College

**Thomas Sears (MBA '88)**  
CEO, RBC Insurance

**Sumitra Seshan (MBA '94)**  
COO, Fifth Generation  
Technologies, Chennai, India

**Eduardo Bento Vidal (MBA '00)**  
Vice-president,  
Banco Itau BBA,  
São Paulo, Brazil

**Marni Wieshoter (MBA '91)**  
Executive Vice-President,  
Lion's Gate Entertainment





## THE WORLD COMES TO ROTMAN

Since 2001, the *Rotman Integrative Thinking Seminar Series* has given Rotman students and the local business community a rare chance to get a glimpse inside the minds of some of today's leading business thinkers. The real-world perspective, leadership styles and personal philosophies these executives share with students have an extraordinary impact. Sample speakers include **Michael Dell**, Founder and Chairman, Dell Inc.;

**Robert Engle**, Nobel Laureate in Economic Sciences and Professor of Finance, Stern School of Business, New York University; **A. G. Lafley**, Chairman, President and CEO, Procter & Gamble; **S. Ramadorai**, CEO, Tata Consultancy Services; **Robert Shiller**, Professor of Economics, Yale University and Author, *Irrational Exuberance*; and **Jack Welch**, Former Chairman and CEO, General Electric.

Find out more about the *Rotman Integrative Thinking Seminar Series* at [www.rotman.utoronto.ca/integrativethinking/seminars.htm](http://www.rotman.utoronto.ca/integrativethinking/seminars.htm)

# ADMISSION INFORMATION

Applicants to the Rotman Master of Finance program must meet the following requirements:

1) Applicants must hold a four-year undergraduate university degree or the recognized equivalent. Contact us for details if you have questions about your degree.

2) Applicants must hold a recognized undergraduate degree with a minimum mid-B average in the final year of undergraduate or prior graduate education.

**NOTE:** *If an applicant believes that his or her grades are not reflective of academic performance and potential, or if other proof of ability like very strong standardized graduate test scores exist, the applicant can request special consideration from the Admissions Committee.*

3) Applicants must take the GMAT or GRE (general) examination. While there is no minimum score required, test performance will play a role in determining applicant ranking.

**NOTE:** *Applicants who have passed all three levels of the CFA exam are exempt from the GMAT/GRE requirement.*

4) Applicants must demonstrate their ability to communicate in English in one of the following ways:  
(i) an undergraduate or graduate degree from a university where the official language of instruction and examination was English; OR  
(ii) satisfactory performance on a standardized English Language Test. Minimum scores for the TOEFL are 600 (written) or 250 (computer), with a minimum score of 5.0 on the TWE or Essay. Equivalent performance on other tests

(IELTS, MELAB) may be considered in special circumstances, but the TOEFL is preferred.

5) Applicants must have a minimum two years of full-time work experience in finance or in a finance-related function. In special circumstances, other substantial experiences will be considered in lieu of the work experience in finance, but only when accompanied by demonstrated exceptional academic and professional potential. Students will generally not be accepted immediately after they complete their undergraduate education, unless they have significant prior full-time work experience.



Following is a summary checklist of admissions requirements:

- the official Rotman Master of Finance application form, available online at [www.rotman.utoronto.ca/mfin](http://www.rotman.utoronto.ca/mfin)
- the application fee
- official transcripts from all post-secondary academic and professional programs attended;
- personal statement of intent (see Web site for details);
- original GMAT or GRE score report sent directly from ETS;
- two professional reference letters;
- an interview, if requested by the Admissions Committee

The **Application Form** for the Rotman Master of Finance is available online at: [www.rotman.utoronto.ca/mfin/application](http://www.rotman.utoronto.ca/mfin/application)



## PROGRAM FEES AND FINANCIAL AID

Please see the Master of Finance Web site for the latest information about MFin program fees.

The Rotman School strives to recruit the best candidates to its programs, and is committed to helping you afford your education by providing you with a broad range of financial options:

### Entrance Scholarships and Fellowships

Each year, the Rotman School grants entrance scholarships, fellowships and awards to about 15 per cent of our students. These are offered on the basis of exceptional merit, with a few on the combination of both merit and need.

They include:

- Full tuition scholarships
- Entrance Fellowships
- Named, Partial Fellowships
- 50 per cent tuition scholarships

### Scotiabank Interest-Subsidized Tuition and Laptop Loan

Canadian citizens and landed immigrants in the MFin program can access an interest-subsidized loan to cover the full cost of their tuition. The interest-subsidized period runs over the entire 20 months of the program. (Rotman will pay the entire interest amount during this period.)

### Government Loans

Each provincial government in Canada administers and maintains a student financial aid program in cooperation with the federal government's Canada Student Loan (CSL) program. When you apply to your provincial government for assistance, you are also automatically considered for a loan through the CSL. Find out more about the Ontario Student Assistance Program (OSAP) at [osap.gov.on.ca](http://osap.gov.on.ca)

### Teaching and Research Assistantships

A variety of teaching assistant positions are available through Rotman and through the commerce and finance departments. Students who have completed the first part of the MFin program are eligible to apply for these positions, which will be posted prior to each term and/or academic year. A limited number of research assistant positions are also available through individual faculty members and are mostly available in a student's final year.

For the latest information on **financial aid** packages available to Master of Finance students, visit [www.rotman.utoronto.ca/mfin/financialaid](http://www.rotman.utoronto.ca/mfin/financialaid)



# FREQUENTLY ASKED QUESTIONS

## **Q: Why should I get an MFin, rather than an MBA?**

A: The MFin is a degree for finance professionals who have experience in finance, and who want to continue their careers in finance. These individuals aim to reach the top leadership positions in their organizations in fields such as investment banking, corporate finance, trading, and risk management. MFin students realize that they need advanced and thorough training in all areas of finance in order to achieve their objectives. The MFin covers the business and managerial aspects of finance as well as the technical and theoretical aspects. MBA courses are more general than MFin courses and are not designed for students who know for certain that they will pursue a career in finance. MFin students take 14 full courses directly related to finance — much more than a typical MBA program. Furthermore, the MFin program is completed in just 20 months by students who are working full time.

## **Q: Why would I need an MFin if I already have a CFA designation?**

A: The CFA is an excellent qualification. At Rotman, we recommend it to many of our students. The MFin covers more material than the CFA and is designed to prepare students for leadership positions in finance. It provides a deeper understanding of the ideas, concepts, models and relationships that drive modern business finance — all under the guidance of experienced, world-class professors.



## **Q: Is the MFin designed mostly for investment bankers, traders, finance executives in corporations, or quantitatively-oriented researchers?**

A: The MFin is designed as a comprehensive finance degree. It teaches all aspects of financial decisions. All finance practitioners — whether they be bankers, traders, corporate treasurers, or ‘quants’ — need to understand underlying issues such as how investment decisions are made, what drives market prices, how risks can be managed, how firms make financing decisions, how derivatives are valued, and so on. In short, becoming a leader in any specific area of finance requires a holistic understanding of the ‘big picture’, and gaining such an understanding will benefit finance practitioners of all types.

## **Q: Do I have to be fully employed throughout the MFin program?**

A: Many students will choose to remain fully employed throughout the program, but this is not a requirement. We appreciate that students are making a big time commitment when they register for this program. The MFin is designed to accommodate the busy work schedules of fully-employed finance professionals in Toronto area.

## **Q: How much time should I expect to spend on my studies each week?**

A: There will be one class each week, plus two classes every other Saturday for an average workload of two classes per week. The classes are 2.5 hours in length (excluding lunch, dinner, and other breaks). Students will sometimes find it necessary to spend as much as 10 hours per week outside the classroom doing assignments and required reading. The program lasts 20 months, with a break in December and no classes during the month of August.

## **Q: Will I have access to Rotman’s Corporate Connections Centre?**

A: Yes! The Rotman Corporate Connections Centre, which provides students with career and placement assistance, is able to support the specific needs of MFin students. All Rotman students have access to all available services.

## **Q: Can I take some MFin courses even if I am not enrolled in the MFin program?**

A: No! The courses are exclusive to Rotman MFin students.

**Q: What quantitative skills are necessary for the program?**

A: This is not a math-focused Finance program; it is a general finance program. However, students should be comfortable with algebra and prepared to use calculus concepts from time to time.



## THE ADMISSION PROCESS

**Q: If I fulfill the minimum criteria for admission to the Rotman MFin Program, what are my chances of entry?**

A: Fulfilling the minimum criteria only guarantees consideration for admission to the program. The admissions committee may require some candidates to be interviewed before making admission decisions in order to select the most qualified and promising candidates. All aspects of an applicant's file are considered in the admission process. That is also why there is no 'minimum' GMAT score.



**Q: How many spaces are available each year?**

A: The MFin program has approximately 50 spaces each year.

**Q: What tuition fees are required?**

A: For up-to-date information about tuition and other fees please consult the Web site:

**[www.rotman.utoronto.ca/mfin](http://www.rotman.utoronto.ca/mfin)**

**Q: Is there any financial support for the program?**

A: Yes! Please consult the web page for updated information on financial aid.

**Q: Does my undergraduate degree have to be in business or commerce to apply to the program?**

A: No! Candidates will come from a variety of disciplines. Similarly, while you must have at least two years of full-time work experience in a field related to finance, we expect candidates to bring a wide variety of experiences to the program.

**Q: If my file is missing just a few materials, will it still be assessed?**

A: We do not make an admission decision until the file is complete. Please review the admission requirements in this brochure or on the web page.

**Q: Can I transfer to the Rotman MFin Program from another Master's program?**

A: No. This is due to the cohort nature of the MFin, in which entering classes move through the entire program together.



# ***Rotman***

## **FOR MORE INFORMATION**

Please contact us if you have any questions about the Rotman Master of Finance program.

### **Program Directors**

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and Professor of Finance

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Assistant Professor of Finance

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### **General Enquiries**

**MFIN@rotman.utoronto.ca**

You can also visit us on the Web  
**at [www.rotman.utoronto.ca/mfin](http://www.rotman.utoronto.ca/mfin),**  
where the latest information about  
the program is always available.



Joseph L. Rotman School of Management  
**University of Toronto**