



Call for Contributions:

The Fintech Revolution: How Financial Innovations Transform the Banking Industry

An edited collection to be published by Palgrave-Macmillan

Co-edited by:

Thomas Walker, PhD
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The John Molson School of Business, the Jacques Ménard - BMO Centre for Capital Markets at Concordia University, and the Department of Finance of the School of Management (ESG) at Université du Québec à Montréal (UQAM) kindly invite contributions to the edited book collection, entitled *The Fintech Revolution: How Financial Innovations Transform the Banking Industry*, to be published by **Palgrave-Macmillan**.

ABOUT THE BOOK:

Since the turn of the century, emerging technologies such as artificial intelligence, blockchains, cloud computing, big data, and the Internet of Things (jointly often referred to as ABCDI) have developed rapidly. These technologies have a pronounced effect on the financial industry and have led to a series of so-called Fintech innovations that are likely to revolutionize the way banks and other financial institutions conduct their business. The Financial Stability Board, market supervisors, regulators, and various other academic and financial industry entities are increasingly pointing to the opportunities and risks Fintech innovations present to the financial industry.

Our book aims to provide both practice-oriented and academic insights into the disruptive power of Fintech for the banking industry. It will explore (1) whether and how the banking industry can use newly emerging technologies in the financial sphere to its advantage while managing any associated risks, (2) how these technologies affect traditional banking service formats as well as the pricing of these services, and (3) whether the emergence of Fintech in the banking industry calls for a rethinking of existing banking regulations such as the Basel Accords as well as country-specific regulations.

Prior publications in this area typically examine both current applications of Fintech in the banking industry, as well as its future prospects, by analyzing actual cases or exploring the impact of a single emerging technology on the banking industry. They often ignore the interdependence between emerging technologies and overlook the connection between Fintech as a whole and the future of the banking industry. Our book aims to address this gap in the literature by providing a comprehensive overview of various Fintech applications and analyzing what they mean for the future of banking. It purposefully takes both a practitioner-oriented and academic approach to feature the insights provided by experts in both of these areas. Given the potentially disruptive power of Fintech, the book will focus on the challenges banking supervisors are likely to encounter because of Fintech's continual ascent and possible ways to find a balance between the beneficial aspects of Fintech and the challenges it creates in terms of supervision, regulation, and risk management.

CALL FOR CONTRIBUTIONS:

Per our intended global scope, the co-editors welcome contributions from the international community of scholars and administrators at the intersection of Fintech, banking, finance, governance, policymaking, and research. The proposed contributions present, review, and critically analyze the impact of fintech developments on the banking industry. Chapters will highlight the evolution of fintech companies and their revolutionary effect on the banking sector. The edited collection also seeks contributions that investigate the hurdles and changes of implementing fintech developments in commercial banking as well as retail banking, and the tools and policies that can be employed.

Given the interconnected and complex nature of the topic, the co-editors welcome contributions that are transdisciplinary in their approach. Moreover, they strongly encourage chapters that use case studies or comparative studies in this context.

Submitted chapters must be original and exclusively prepared for the book, with no part of the article having been published elsewhere. Finally, although the book can be used as a reference book in academic courses, it is not explicitly organized as a textbook.

POTENTIAL TOPICS FOR CHAPTERS:**1 Traditional banking and Fintech**

- 1.1 The history of banking
- 1.2 Traditional banking mechanisms
- 1.3 Imperfections in traditional banking
- 1.4 Overview of Fintech
- 1.5 Fintech and banking competition
- 1.6 Cryptocurrencies
- 1.7 Applications of Fintech in the banking industry

2 Artificial intelligence and banking

- 2.1 Analyzing big data
- 2.2 Machine learning techniques
- 2.3 Credit scoring
- 2.4 Mortgage assessment
- 2.5 Risk management
- 2.6 Chatbots
- 2.7 Virtual assistants and robo-advisors

3 Internet and fintech innovations in banking

- 3.1 Cloud computing
- 3.2 Online banking
- 3.3 Website services
- 3.4 Mobile apps
- 3.5 Open banking
- 3.6 Digital/online payments
- 3.7 Blockchains
- 3.8 Commercial banks and Fintech innovations

4 Challenges and opportunities regarding Fintech in banking

- 4.1 Barriers to implementation
- 4.2 Storage and computational costs
- 4.3 Environmental impact
- 4.4 Fintech regulations
- 4.5 Regulations in the banking industry
- 4.6 Computation advancements
- 4.7 Speed advantages
- 4.8 Financial inclusion

IMPORTANT DATES:

- Abstract and CV submission deadline – **December 31, 2021**
- Selection of abstracts and notification to successful contributors – **January 20, 2022**
- Full chapter submission – **March 15, 2022**
- Revised chapter submission – **April 30, 2022**

GUIDELINES FOR CONTRIBUTORS:

Submissions should be written in English using a non-technical writing style. The contributions may include diagrams/illustrations in order to present data, or photographs/figures (all in black & white) to better illustrate the topic of discussion. Submitted chapters should be original and exclusively prepared for the present book. No part of the article should be published elsewhere. Chapters must not exceed 7,000 words (including all references, appendices, biographies, etc.), must use 1.5-line spacing and 12 pt. Times New Roman font, and must use the APA 7th edition reference style.

Researchers and practitioners are invited to submit abstracts of no more than 500 words, a bibliography for their proposed chapter, and a CV. Abstract submissions are expected by **December 31, 2021**. Submissions should be sent via email to: **fin.tech@concordia.ca**.

Authors will be notified about the status of their proposals and will be sent complete chapter guidelines. Full chapters are expected to be submitted by **March 15, 2022**.

Please note there are no submission or acceptance fees for the manuscripts.

ABOUT THE EDITORS:**Thomas Walker¹**

Thomas Walker holds a BSc in Management Information Systems from the Technical University of Darmstadt, Germany, and an MBA and PhD degree in Finance from Washington State University. Prior to his academic career, he worked for several years in the German consulting and industrial sector at such firms as Mercedes Benz, Utility Consultants International, Lahmeyer International, Telenet, and KPMG Peat Marwick. His research interests are in emerging risk management, corporate finance, venture capital, sustainability & climate change, Fintech, corporate governance, securities regulation and litigation, insider trading, and institutional ownership, and he has published over 70 articles, book chapters, and edited books in these areas. He is the lead editor of seven books on sustainable financial systems, sustainable real estate, sustainable aviation, environmental policy, emerging risk management, innovations in social finance, and water risk management. Dr. Walker currently serves as the principal investigator on research grants by the Social Sciences and Humanities Research Council (SSHRC), the Autorité des marchés financiers, and the Global Risk Institute. In 2018, he founded the Emerging Risks Information Center (ERIC, <https://emerging-risks.com>) which conducts targeted research on environmental, technological, and societal risks that affect our world today. In 2021, he became the inaugural director for the Jacques Menard/BMO Center for Capital Markets Research at

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Elaheh Nikbakht²

Elaheh Nikbakht is an MSc candidate at the John Molson School of Business, Concordia University where she studies finance. She currently serves as a teaching assistant and research assistant in the Department of Finance at Concordia University. Elaheh completed her undergraduate degree and MBA at Shahid Chamran University of Ahvaz, Iran. She has been awarded several scholarships and awards for her remarkable academic performance, including the Arbour Foundation Scholarship and the Bourse D'études D'excellence du Centre Desjardins D'innovation en Financement D'entreprises. She has assisted in the organization and hosting of several conferences related to mathematics and statistics at Concordia University. Her research interests include capital markets, portfolio management, Fintech, and machine learning.

Maher Kooli³

Maher Kooli holds a BSc from HEC Carthage, an MBA from Ottawa University, and a PhD in Finance from Université Laval. He is a Full Professor of Finance at the Department of Finance of the School of Management (ESG), Université du Québec à Montréal (UQAM) and head of the Finance department. He is also Caisse de Depot et Placement de Québec (CDPQ) research chair-holder in portfolio management, founder of the Trading room at ESG UQAM, and Autorite des marches financiers (AMF) and Finance Montreal research co-chair-holder in Fintech at ESG UQAM. Previously, professor Kooli worked as a senior research advisor for la Caisse de Depot et Placement de Québec. His research interests include initial public offerings, mergers and acquisition, venture capital, hedge funds, Fintech, portfolio management, and corporate finance. He has published in many prestigious academic journals and has several books on financial management, venture capital, and hedge funds. He is also a member of the Editorial Board of the Journal of Asset Management, the Journal of Wealth Management, and Risk Management.

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