

# Prof. Barry Quinn

Finance & FinTech Leader | AI & Data Science Expert

## Contact Information

**Prof. Barry Quinn** | Professor of Finance and FinTech  
b.quinn1@ulster.ac.uk | [GitHub: quinfer](#)  
Ulster University Business School, Belfast, N. Ireland

---

## Executive Summary

**Transformational Finance Leader** with unique combination of 9+ years financial markets experience and cutting-edge academic research expertise. Professor of Finance and FinTech specializing in AI applications, regulatory technology, and quantitative risk management. Proven track record of bridging academia-industry gap through £2M+ research funding, multiple successful KTP projects, and direct industry collaboration.

**Core Value Proposition:** - **Industry Experience:** Former currency trader and liquidity manager at Janus Henderson Investors - **Academic Excellence:** 14 peer-reviewed publications, Chartered Statistician - **Technology Leadership:** AI/ML expert currently completing MSc in Artificial Intelligence - **Business Impact:** £2M+ research funding, multiple successful industry partnerships

---

## Key Expertise & Skills

### Technical Competencies

- **AI & Machine Learning:** Deep learning, market manipulation detection, anomaly detection
- **Financial Technology:** RegTech, algorithmic trading, risk analytics, stress testing
- **Data Science:** Advanced statistical modeling, big data analytics, predictive modeling
- **Programming:** R, Python, statistical software development

### Business Applications

- **Risk Management:** Systemic risk assessment, VaR modeling, stress testing
  - **Regulatory Compliance:** AI-driven compliance solutions, regulatory technology
  - **Trading & Markets:** Currency trading, liquidity management, market microstructure
  - **Strategic Analytics:** ESG analytics, performance measurement, scenario analysis
-

## Professional Experience

### Business Impact & Industry Partnerships

#### Recent Major Projects (£2M+ Value)

**AI-Driven Regulatory Compliance** (2024-2025) | £250K UKRI/*InnovateUK* - Partnership with Funds Axis Ltd developing AI solutions for investment management compliance - Reducing regulatory burden through automated compliance monitoring

**Financial Risk Analytics Platform** (2021-2023) | £180K *InnovateUK KTP* - Developed advanced tail risk and stress testing analytics with Funds Axis Ltd - Created commercial-grade VaR modeling and scenario analysis tools

**AI Retail Analytics** (2017-2019) | £150K *InnovateUK KTP* - Machine learning and predictive analytics for retail business optimization - Delivered measurable ROI improvements through advanced analytics

#### Industry Advisory & Consulting

- **Financial Conduct Authority** Tech Sprint Mentor (2023-present)
- **Citigroup Belfast** - Anomaly detection for trading data (2022-2023)
- **Multiple FinTech partnerships** - RegTech and compliance solutions

### Education & Professional Credentials

### Key Achievements & Recognition

#### Awards & Recognition

- **1st Place** - CFA European Quantitative Finance Awards (2018)
- **Advanced Data Science Professional** - Alliance of Data Science Professionals (2024)
- **Teaching Fellow** - Higher Education Authority (2012)

#### Research Impact

- **14 peer-reviewed publications** in top-tier finance and technology journals
- **£2M+ research funding** from UKRI, *InnovateUK*, and industry partners
- **International recognition** - invited speaker at major finance conferences

#### Leadership & Innovation

- **Director** - Centre for Financial and Regulatory Technology (2024-present)
- **Co-founder** - Queen's Student Managed Fund (managing real investment portfolio)
- **Programme Director** - MSc Quantitative Finance (2018-2022)

---

## Value Proposition for Industry

#### Immediate Impact Areas

1. **AI-Driven Risk Management:** Leverage cutting-edge ML for enhanced risk analytics

2. **Regulatory Technology:** Develop automated compliance and monitoring solutions
3. **Market Intelligence:** Apply advanced analytics to trading and investment strategies
4. **Strategic Innovation:** Bridge academic research with practical business applications

### Unique Differentiators

- **Proven Industry Track Record:** Real trading floor experience combined with academic rigor
- **Research-to-Practice Pipeline:** Translate cutting-edge research into business solutions
- **Regulatory Expertise:** Deep understanding of financial regulation and compliance
- **Technology Leadership:** At forefront of AI/ML applications in finance

**Available for:** Board positions, strategic consulting, research partnerships, executive roles in Fin-Tech/RegTech

---

*References and detailed project portfolios available upon request*