Ricky Alyn Cooper, Ph.D.
IIT-Stuart
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Employment Experience:

Illinois Institute of Technology, Chicago, IL

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2010-2023 classes:

MSC 631—Theory of Finance I (PhD level class)
MSC 633—Theory of Finance II (PhD level class)
MSF 584—Equity and Equ

Xambala Inc., San Jose, CA and Chicago, IL

- Design and supervise implementation of ultra high frequency risk management system for equities including, tick speed portfolio optimization, second slice attribution, Modified Kelly Criterion based risk allocation, and GARCH volatility forecast models
- Design high frequency factor testing criteria and prototype alpha building using modifications of the edge ratio criterion, and various clustering and time series techniques
- Lead teams of Statisticians, Software Engineers, and Finance people in 2 countries in developing coherent strategies and systems

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Wayne State University, Detroit, MI

- Taught classes at both undergraduate and graduate levels
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[RJ14] "Black-Litterman, Exotic Beta, and Varying Efficient Portfolios: An Integrated Approach" with Marat Molyboga (Efficient Capital Management) Journal of Investment Strategies Vol. 6, No. 3 (2017) pp. 13-30

[RJ13] "Phantom Liquidity and High Frequency Quoting" with Jesse Blocher (Vanderbilt), Jonathan Seddon (Audencia), Ben Vanvliet (IIT), Journal of Trading Vol 11, No. 3 (2016) pp. 6-15

[RJ12] "The Mysterious Ethics of High Frequency Trading" with Michael Davis (IIT) and Ben Van Vliet (IIT), Business Ethics Quarterly (2016) Vol 26, No. 1 (2016) pp. 1-22

[RJ11] "Multi-Scale Capability: A Better Approach to Performance Measurement for Algorithmic Trading" with Michael Ong (IIT) and Ben van Vliet (IIT) Algorithmic Finance Vol. 4, No. 1,2 (2015) pp. 53-68

[RJ10] "Expected Return in High Frequency Trading" with Ben Van Vliet (IIT), Journal of Trading vol. 10, No. 2 (Spring 2015) pp. 32-40

[RJ9] "The Rationale for AT9000: An ISO 9000-Style Quality Management System Standard for Automated and Algorithmic Trading" with Ben Van Vliet (IIT), Andrew Kumiega (IIT), and Jim Northey (FIX Protocol, LTD.) Journal of Trading vol. 8, No. 3 (Summer 2013) pp. 102-106

[RJ8] "Adding Derivatives to Absolute Return Attribution" with Tingting Li (IIT) Journal of Performance Measurement Vol. 17, No. 3 (Spring 2013) pp. 19-26, ***Dietz Honorable Mention Award***

[RJ7] "Absolute Return Equity Risk Attribution and Forecasting" with Tingting Li (IIT) Journal of Performance Measurement Vol. 17, No. 2 (Winter 2013) pp. 46-60, ***Dietz Honorable Mention Award***

[RJ6] "High Frequency Equity Performance Attribution" with Tingting Li (IIT) Journal of Performance Measurement vol. 16, No. 3 (Spring 2012) pp. ***Reviewed in CFA Digest (2013) vol. 49 No 3***

[RJ5] "Whole Distribution Statistical Process Control in High Frequency Trading" with Ben van Vliet (IIT) Journal of Trading vol. 7, No. 2 (Spring 2012)

[RJ4] "Following the Leader: A Study of Leading vs. Following Analysts" Journal of Financial Economics vol. 61 (2001) pp. 383-416 (with Craig Lewis and Theodore Day), ***Winner of the 2001 JFE Paper of the year award in Asset Pricing and Investments***

[RJ3] "Information Technology Characteristics and Firms' Performance in the Financial Industry" Engineering Valuation and Cost Analysis vol. 1 (1998) pp. 243-254 (with Toni M. Somers)

[RJ2] "The Year End Effect in Junk Bond Prices" Financial Analysts Journal, vol. 50 no. 5 (1994) pp. 61-65 (with Joel M. Shulman)

[RJ1] "Risk Premia in the Forward and Futures Markets" Journal of Futures Markets, vol. 13 no. 4 (1993) pp. 357-372

[O1] "Precidian's Proposed ETF and the Possibility of Reverse Engineering" (2015) published in the Edgar archives at sec.gov available at:
https://www.sec.gov/Archives/edgar/data/1396289/000114420415048013/v417803_40appa.htm

“Methodological Challenges in Critical Finance Studies: Designing a Research Agenda for Understanding Financial Markets,” 4th Annual Ontology Workshop. Embodiment and Emotions: Ontological, Ethical, Epistemological and Methodological Considerations University of Liverpool (2016) (with J. Seddon and B. Vanvliet)

The Capability Paradigm in Algorithmic Trading” 2015 IIT/Algorithmic Finance conference on High Frequency and Algorithmic Trading (2015) Illinois Institute of Technology (with B. Vanvliet)

Phantom Liquidity and the Flash Boys 11th Annual Meeting of the Financial Research Association Meeting (2014) Las Vegas (with J. Blocher and B. Vanvliet)

“How Does High Frequency Trading Affect Low Frequency Trading?” 2014 International Conference on Corporate Finance and Capital Markets hosted by the Academy of Financial Research (2014) China (with K. Li. and B. Vanvliet)

“Multi-scale Capability” Midwest Finance Association Annual Meeting (2014) Orlando (with B. Vanvliet and M. Ong)

“Factors of Mutual Fund Performance” Annual meeting of the Southern Finance Association

Annual Meeting of the Financial Markets Research Center, Vanderbilt University (2013) session chair,
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