Workshop IV: Forensic Analysis of Financial Data

Monday May 18, 2015

8:00–8:55	*Check-In/Light Breakfast (Hosted by IPAM)*
8:55–9:00	*Welcome and Opening Remarks*
9:00–9:45	**Andrew Lo** (Massachusetts Institute of Technology) *Big Data, Big Brother, and Systemic Risk Measurement and Management*
10:00–10:45	**Chris Hart** (National Transportation Safety Board) *Commercial Aviation Risk Management: Useful for Financial Industry?*
11:00–11:30	*Break*
11:30–12:15	**Rama Cont** (Imperial College) *Dissecting the Black Swan: forensic analysis of market events*
12:30–2:00	*Lunch (on your own)*
2:00–2:45	**David Donoho** (Stanford University) *What's the big deal about big data? Emerging Opporunities posed by High-Dimensional Data*
3:00–3:45	**Torben Andersen** (J. L. Kellogg Graduate School of Management) *On the VPIN Metric as a Warning Signal for Market Stress*
4:00–4:30	*Break*
4:30–5:30	**Andrew Lo** (Massachusetts Institute of Technology) *Public Lecture: Can Financial Engineering Cure Cancer? A New Approach to Funding Biomedical Innovation*
5:30–7:00	*Reception (Location: IPAM Lobby)*

Tuesday May 19, 2015

8:00–9:30	*Check-in/Breakfast (hosted by IPAM)*
9:30–10:15	**Jianqing Fan** (Princeton University) *Incorporating GISC and High Frequency Data into Portfolio Allocation and Risk Estimation*
10:30–11:00	*Break*

(Tuesday schedule continued on next page)

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11:00–11:45 **Norm Champ** (Visiting Scholar, Harvard Law School)
Who Needs Data? The Struggle to Make the SEC More Data-Driven

12:00–2:00 *Lunch (on your own)*

2:00–2:45 **Robert Almgren** (Quantitative Brokers and NYU)
TBA

3:00–3:45 **Mila Getmansky Sherman** (UMass Amherst: Isenberg School of Management)
Sovereign, Bank and Insurance Credit Spreads: Connectedness and System Networks

4:00–4:30 *Break*

4:30–5:30 **Andrew Lo** (Massachusetts Institute of Technology)
Research Lecture: Evolutionary Foundations of Economic Behavior, Bounded Rationality, and Intelligence

Wednesday May 20, 2015

8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*

9:00–9:45 **Anwei Chai** (Prediction)
High frequency trading in practice

10:00–10:45 **John Liechty** (Pennsylvania State University)
Macroeconomic Patterns in System-Wide Liquidity Regimes

11:00–11:30 *Break*

11:30–12:15 **Mark Flood** (Office of Financial Research US Treasury)
Measuring financial relationships

12:30–2:00 *Lunch (on your own)*

2:00–2:45 **Lakshithe Wagalath** (IESEG School of Management)
Fire sales forensics: measuring endogenous risk

3:00–3:30 *Break*

3:30–5:00 *Panel Discussion: Joe Langsam, Terry Hendershott, Andrei Kirilenko, Mark Flood and Bill Morokoff*

Thursday May 21, 2015

8:00–9:00 *Check-in/Breakfast (hosted by IPAM)*

9:00–9:45 **Terrence Hendershott** (University of California, Berkeley (UC Berkeley))
Market Integration and High Frequency Intermediation

10:00–10:45 **Andrei Kirilenko** (Massachusetts Institute of Technology)
Latency and Asset Prices

11:00–11:30 *Break*

11:30–12:15 **Ulrich Horst** (Humboldt-Universität)
Optimal Order Display in Limit Order Markets with Liquidity Competition

12:30–2:00 *Lunch (on your own)*

2:00–2:45 **Patrick Barkhordarian** (Integral Development Corporation)
Empirical Analysis of the Microstructure of Electronic Over-the-Counter Foreign Exchange

3:00–3:45 **Michael Ohlrogge** (Stanford University)
The Role of Securitization in the Growth of Subprime Mortgage Lending

4:00–4:30 *Break*

4:30–5:15 **Bill Morokoff** (Standard and Poor's)
Modeling Challenges for Credit Risk and Economic Forecasting