

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 Opportunities 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)



(Tuesday schedule continued from previous page)

- 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 **Lakshitha 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

