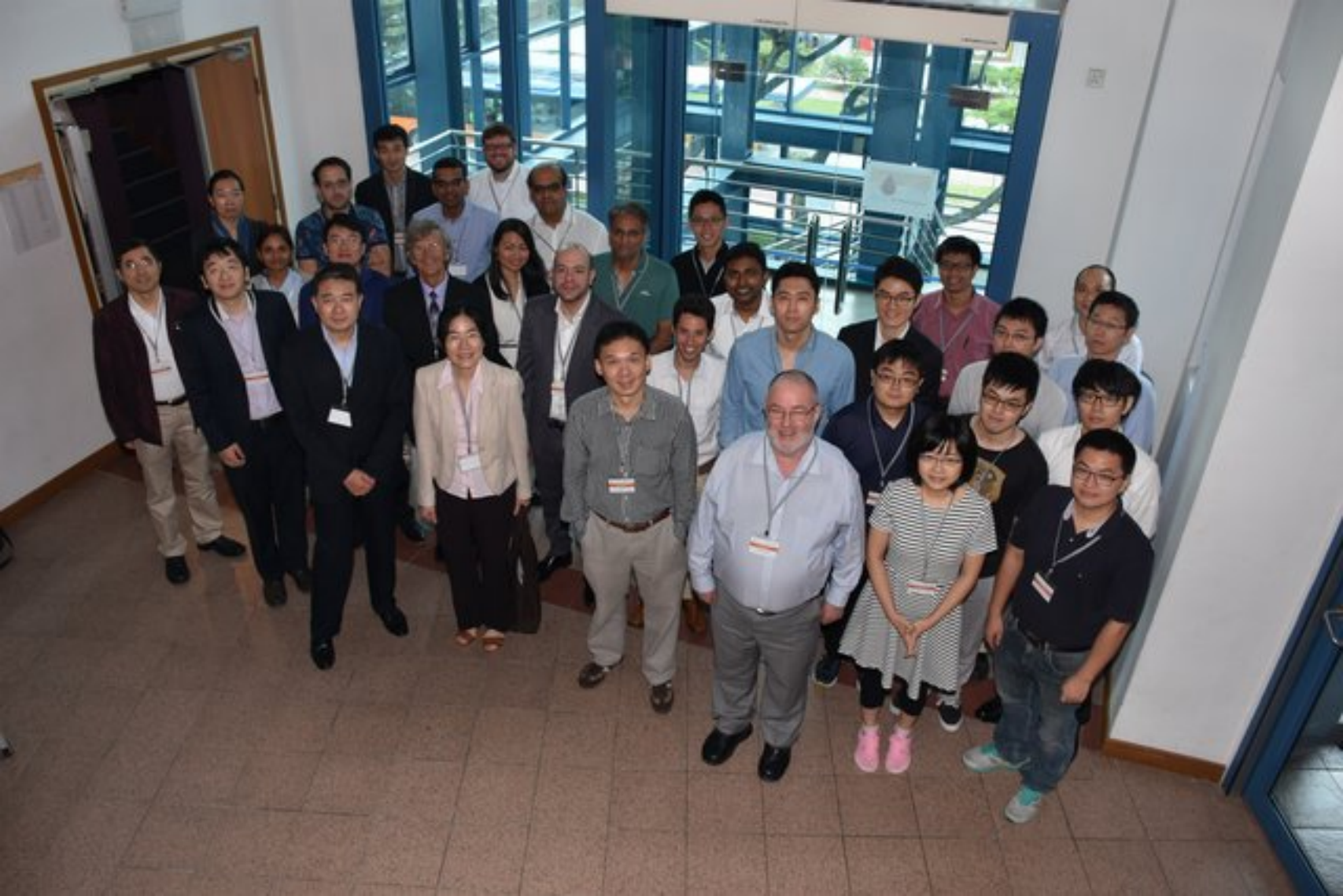


$$\bar{r}_i = (L_{K_i \geq 0} b_i^l + L_{K_i < 0} b_i^u)$$

$$\bar{m}_i = \bar{c}_i^+ b_i^{c,l} - \bar{c}_i^- b_i^{c,b}$$











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TMENT

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<http://cgi.nus.edu.sg/~sur/K7052>





0-0

$$N_t = NP$$
$$\lim_{t \rightarrow \infty} \frac{1}{t} \ln \left(\frac{N_t}{N_0} \right) = g^N \approx g^S$$



(National) Opaque Bank Assets and Optimal Capital Eq.

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Risk drivers that cause liquidity exposures



liquidity resources available

SGX





SGX





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Type Distributions

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For details of this workshop, please
<http://cqf.nus.edu.sg/5th> R%5E2 W

















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$$dP_t^i = P_t^i(r_t dt + \sigma_t^i dW_t), i \in$$

$$dP_t^i = P_{t-}^i(r_t dt + \sigma_t^i dW_t -$$



EXIT



NUS Workshop

Synthetic Stress Testing and price-mediated contagion





propose a dynamic model to overcome all these three inherent weaknesses.

- By using a network, we can also introduce in a natural way the spillover effect, price impact, and wrong-way risks suggested by (2016).

SGX







$$N_t -$$
$$\lim_{t \rightarrow \infty} \frac{1}{t} \ln \left(\frac{N_t}{N_0} \right)$$





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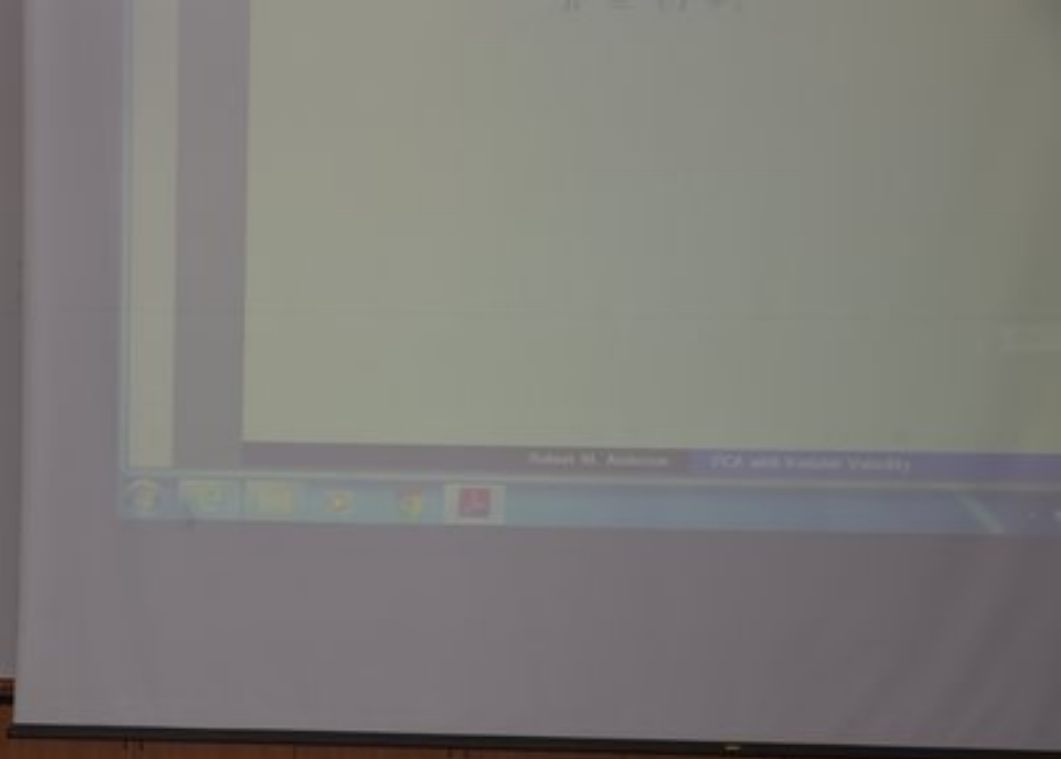


















Min Da, Shan Huang, Jussi Keppo (Nat)



































Here $\{\mu_\theta\}$

Tree structure

A. D.



<http://cqt.nus.edu.sg/>









- Is simple
- Is accurate
- Is fast
- Retains its speed and flexibility across variations

Important for:

- Calibrating to other than plain vanilla options
- Evaluating real assets (e.g. vessels) and real options
- Investment appraisal and optimal timing of investment
- Volatility index construction (e.g. drybulk)

Thank you

Thank you for your attention and for your questions. I will be happy to answer them after the presentation.



EXIT







January 6, 2017

Min Gu, Yuesheng Song, Joon Young (Hyundai) Capital Bank Assets and Optimal Capital Ex

January









