

Monetary Policy Impact on Global Financial and Banking Crisis, Risks Management-

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Abstract

Global Central Bankers Role and Challenges: ^{1970s-1980s}
Global central banks play key roles in prudent monetary policy to maintain economic growth and price stability, meeting the challenges from unpredictable shocks in oils, commodities, currency speculative attacks and global players capital flow.

Global Financial Markets are financing the global economy, banks are directly or indirectly exposed to daily financial markets risks)

The need for improved deterministic risk analysis and stress testing models simulating global financial markets crisis discontinuous dynamics

Greenspan indicated the need for improved financial markets stress testing ^{simulation} models to replace current VaR risk model based on the probability distribution of past continuous stable economy fail to predict last summer discontinuous market crisis dynamics

Simulation of Monetary Policy Impact on Economic Growth , Financial Markets Crisis

These deterministic dynamics simulation models tracking accurately last 20 years US, European, and Asian, ASEAN, South America central banks monetary policy impact on economic growth, inflation and daily stable and crisis under stress activities in financial markets interest rates, currency exchange rate, commodities, financial derivatives, bond, corporate profit margins, stock prices with average error below 1.5 % correlation above 0.95. These systems tracking, predicted the root causes, onset, spread of 1992 European currency crisis, 1994 China runaway inflation and 1996 soft-landing, 1997 ASEAN, 1998 Asian financial crisis, it's spread to Russia, Brazil and the mature markets 70 trillion OTC financial derivatives markets LTCM failure due to betting on the wrong side of bond spread.

Global monetary policy impact simulation for sustainable growth and prices stability and financial crisis, risk management:

The senior author Huang has 30 years US experience in the development, implementation ^{on} of global strategic management for corporate restructuring, reengineering, process R&D innovation, cost reduction during 1965- 1980 for US multinational (Mobil, AMOCO, Phillips Petroleum etc.)

He pioneered Operation Simulation Analysis(OSA) and directed hundreds of goal, mission, performance oriented global strategic management OSA(Operations Simulation Analysis) strategic and execution teams, for Taiwan (between 1980 and 1996) and China (1994 to 1998 with Ji) and US 20 millions government , academic, state and private enterprises, banking, finance industries CEO, CFO, senior corporate management and technical staff, fund managers, traders, investors risk management on the job training

Global Academic University Teaching and Research: Huang trained 1000 chemical engineering, economics, global strategic management operations research senior, graduates.

To be presented to Central bank conference Macao, May 14-15, 1999,