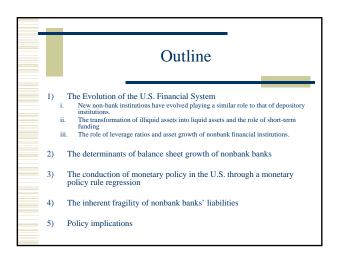
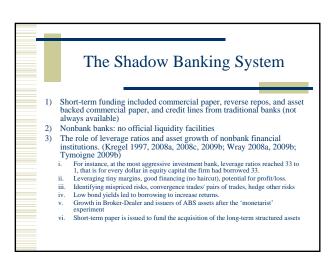
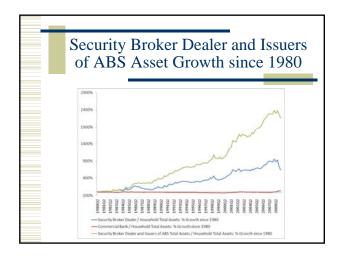
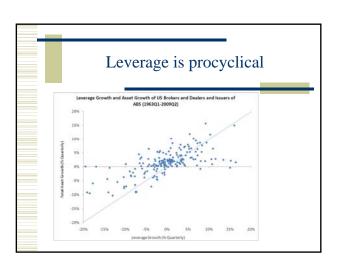
Understanding the Run on the Shadow Banking System Felipe Rezende University of Missouri- Kansas City and Hobart and William Smith Colleges Can "It" Happen Again? Macerata University October 1st -2nd, 2010

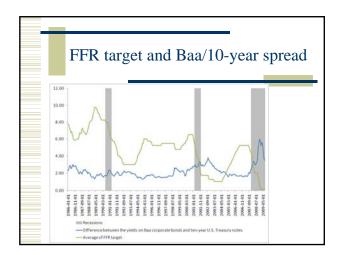


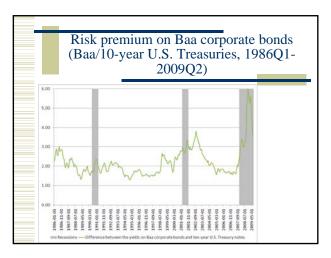
The Transformation of the U.S. Financial System 1) The Evolution of the U.S. Financial System i. New non-bank institutions have evolved playing a similar role to that of depository institutions. ii. The transformation of illiquid assets into liquid assets and the role of short-term funding. iii. Keynes reminded us: "It forgets that there is no such thing as liquidity of investment for the community as a whole." (Keynes 1936:155) iv. Ability to initiate mortgages vs funding capabilities and the monetarist experiment v. Fund income vs fee income from moving assets (e.g. Kregel, 2009b, 2008c;Wray 2007) vi. The market for securitization: enormous increase in the demand for collateral in derivative markets, repo markets and in modern real time gross settlement system. (BIS, 2001; Gotton, 2009:10); moving assets Kregel 2008:19 vii. Exponential growth of securitization Gorton 2009 Tymoigne 2009b, 2009c 2) Nonbank financial institutions —Shadow Banks— outside regulatory structure, reliance on uninsured short-term funding and no access to the Fed's discount window. D'Arista 1993; McCulley 2009, Tobias and Shin 2009b, Gorton 2009, Kregel 2007, 2008

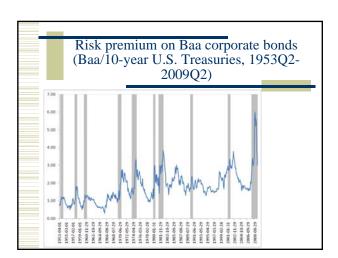


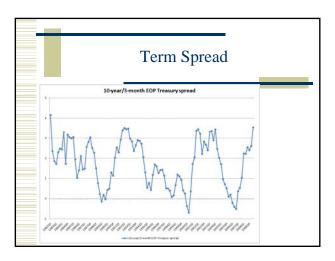


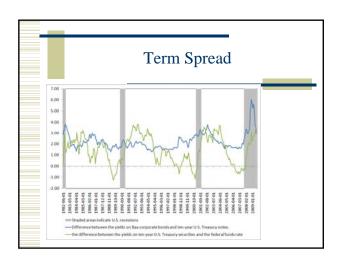




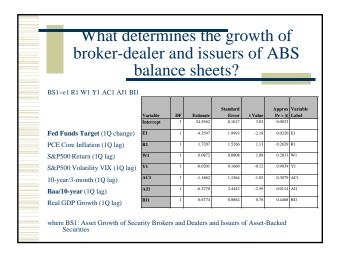




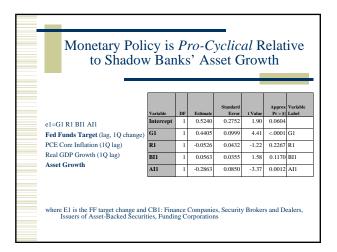


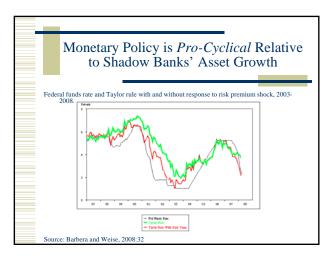


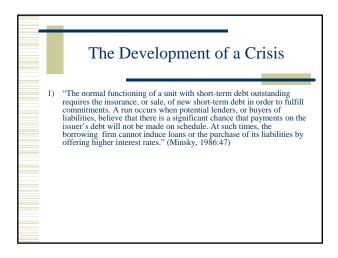
What determines the growth of broker-dealer balance sheets?									
BO1=e1 R1 W1 Y1 AC1 AJ1 BI	1								
	Variable	DF	Estimate	Standard Error	t Value	Approx Pr > t			
T.T. 1.T. (40.1)	Intercept E1	1	49.3777 -10.5542	12.3499	4.00 -3.28	0.0001	E)		
Fed Funds Target (1Q change)									
PCE Core Inflation (1Q lag)	R1	1	-1.9470	2.2206	-0.88	0.3831			
S&P500 Return (1Q lag)	W1	1	0.0401	0.1281	0.31	0.7547	WI		
S&P500 Volatility VIX (1Q lag)	Y1	1	-0.1879	0.2680	-0.70	0.4853	YI		
10-year/3-month (1Q lag)	AC1	1	-1.0723	1.7359	-0.62	0.5384	ACI		
Baa/10-year (1Q lag)	AJ1	1	-12.8186	3.8759	-3.31	0.0014	AJI		
Real GDP Growth (1Q lag)	BII	1	0.2225	1.3950	0.16	0.8737	BII		

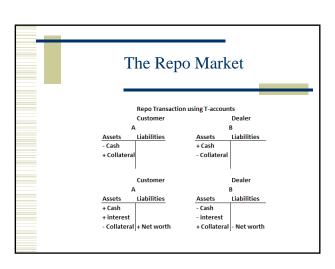


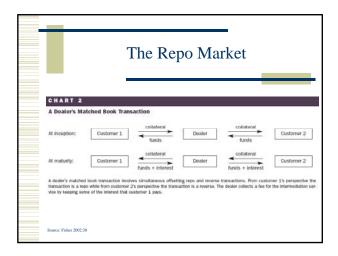
What determines the growth of shadow banks' balance sheets?										
CA1=e1 R1 W1 Y1 AC1 AJ1 BI	l									
	Variable	DF	Estimate	Standard Error	t Value	Pr > t	Variabl Label			
	Intercept	1	14.7854	3.6712	4.03	0.0001				
Fed Funds Target (1Q change)	E1	1	-2.3421	0.8886	-2.64	0.0100	El			
PCE Core Inflation (1Q lag)	R1	1	0.3299	0.7039	0.47	0.6405	RI			
S&P500 Return (1Q lag)	W1	1	0.0567	0.0360	1.57	0.1195	WI			
S&P500 Volatility VIX (1Q lag)	Y1	1	-0.0322	0.0736	-0.44	0.6634	YI			
10-year/3-month (1Q lag)	AC1	- 1	-1.2414	0.5262	-2.36	0.0206	AC1			
Baa/10-year (1Q lag)	AJ1	1	-2.2508	1.0915	-2.06	0.0423	AJI			
Real GDP Growth (1Q lag)	BII	1	1.2381	0.3968	3.12	0.0025	BII			



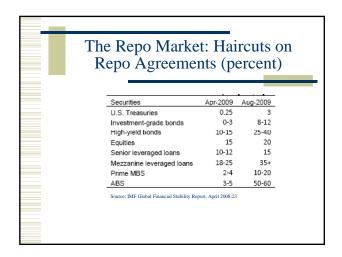


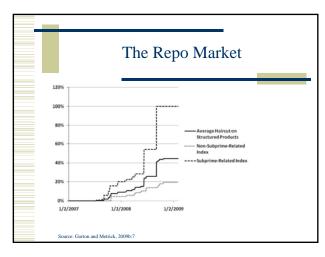


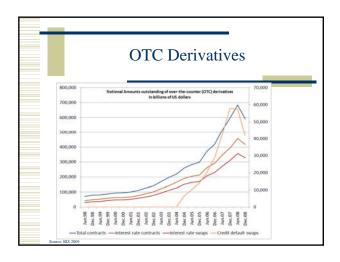


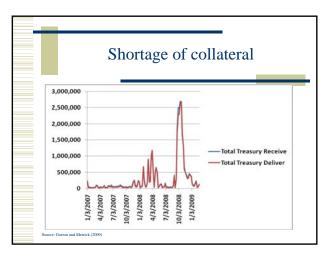


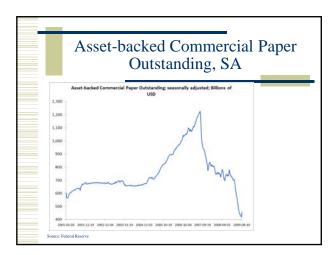


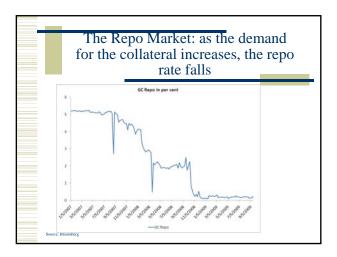


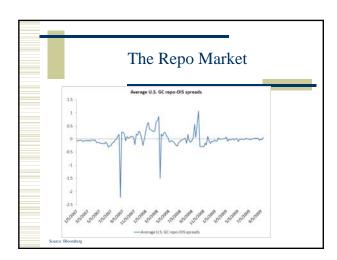














Conclusions Changes in the overnight interest rate target have an important impact on balance sheets of nonbanks banks. long/short arbitrage Monetary policy is pro-cyclical relative to Shadow Banks Asset Growth. Tightening cycles lead to an inversion of the yield curve Monetary policy fine tuning is increases the fragility of the U.S. financial system. Changes in funding conditions/cost of leverage lead to cash flow and liquidity strains, especially for highly leveraged institutions. Role of the Central Bank providing lending facilities –wide range of eligible collateral, provide liquidity on demand. Flaws in the U.S. financial system's regulatory structure, capital adequacy, supervisory system.