



# **From Main Street to Wall Street**

## **Mapping the Mortgage Mess**

**Valdis Krebs**

Financial Risk and Network Theory

University of Cambridge

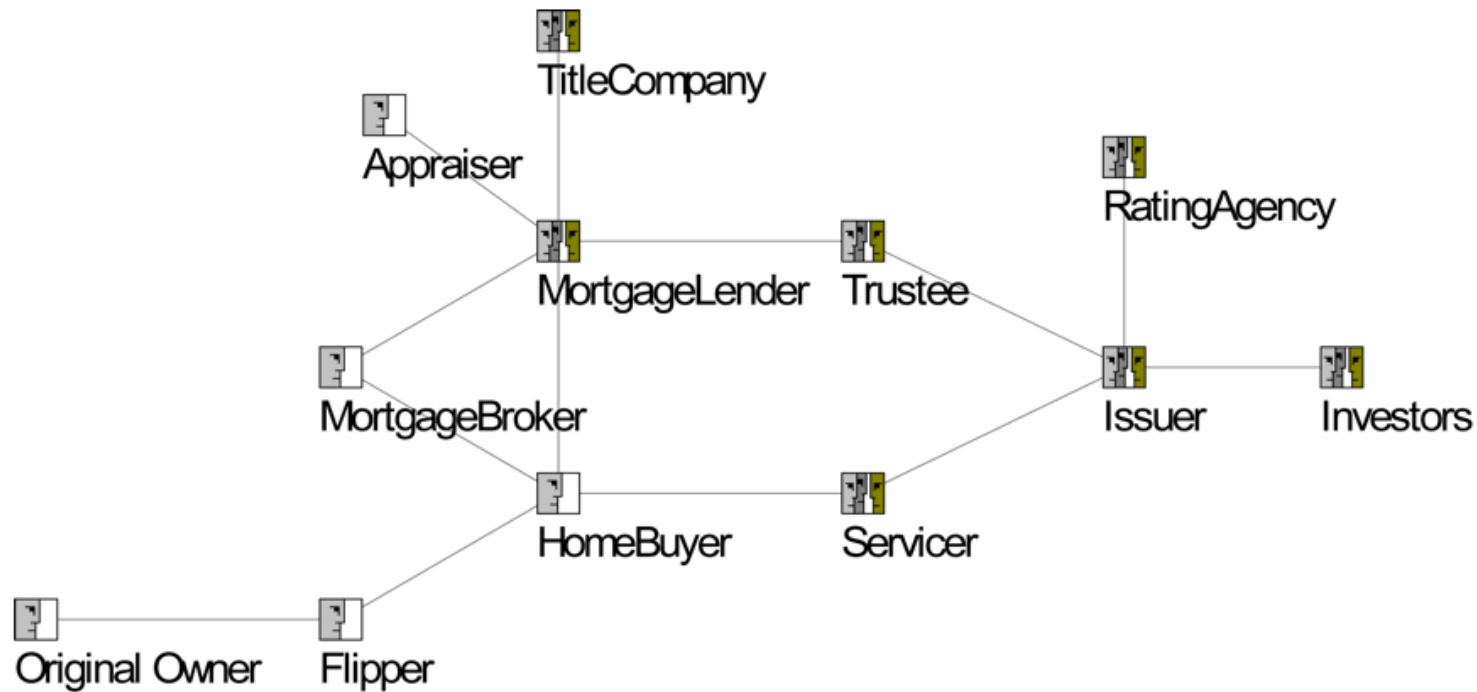
23. September 2014

# Mortgage Mess in Cleveland, Ohio

- **One of the highest foreclosure rates in the USA during 2005-2010**
  - Especially in the former steelworker community of Slavic Village
- **Foreclosed Cleveland mortgages were found in many Wall Street RBMSes and CDOs**



# Flow from Main Street to Wall Street



**Main Street**

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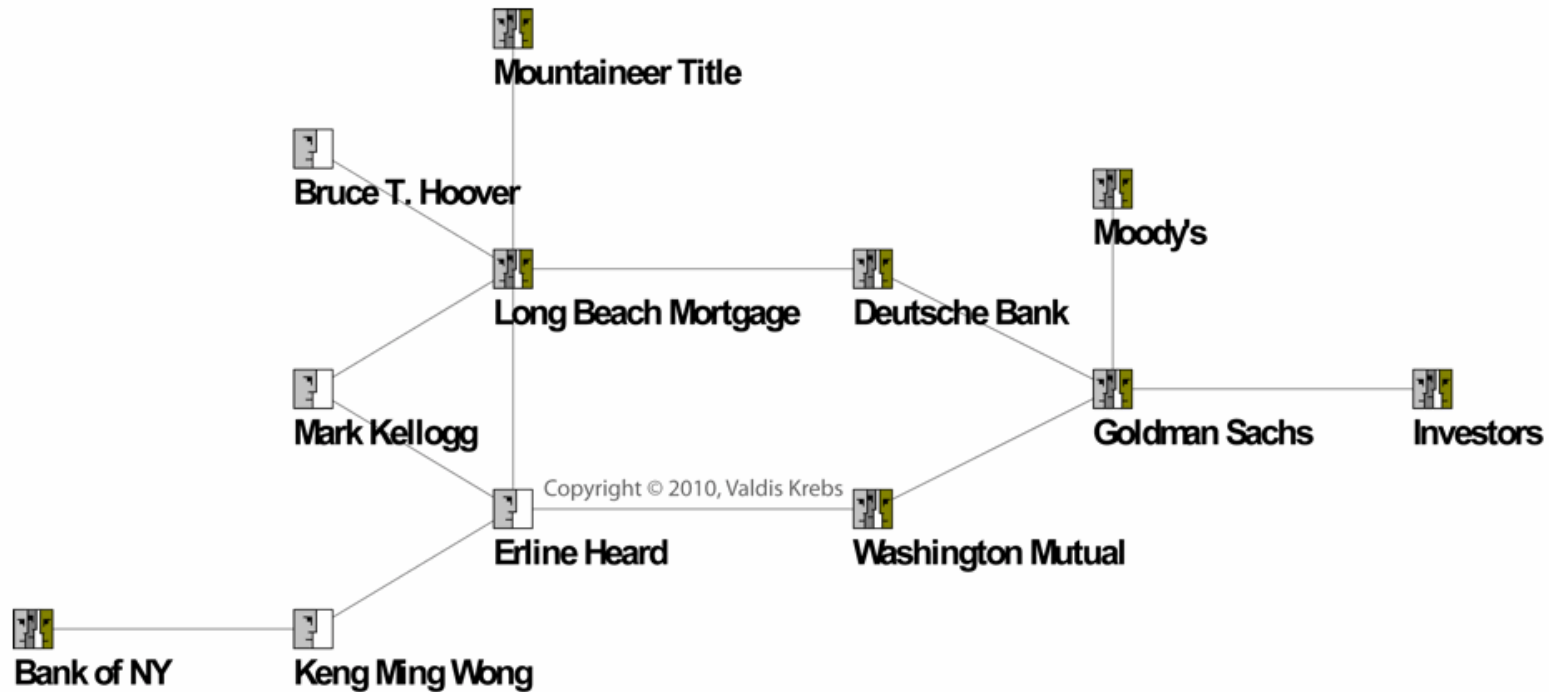
**Wall Street**



# Main Street



# 3729 East 54<sup>th</sup> Street



**Main Street**  
Mortgage: 3729 East 54th

**Wall Street**  
Synthetic CDO: ABACUS 2007-AC1





# Main Street Detail

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Parcel #	Street #	Street Name	Buyer	Seller	Initial Purchase Price	Initial Purchase Date	Sale Price	Sale Date	sale\$-initial\$ ratio	Appraiser	Mortgage Broker	Title	Mortgage Co.
2	13120041	3465	East 50	Boyd, Lula	Lui, Pak Tim	\$61 000	11.03.04	\$87 000	5.23.05	143%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
3	13132052	3687	East 50	Gaddis, Julius	Lam, Ken	\$15 750	1.20.05	\$86 000	10.4.05	546%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
4	13132053	3689	East 50	Gaddis, Julius	Lam, Ken	\$15 750	1.20.05	\$86 000	10.4.05	546%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
5	13133095	3656	East 50	Kellog, Jeffrey	Lui, Pak Choong	\$0	2.20.92	\$75 000	10.24.03					New Century
6	13132086	3686	East 50	Wells, Pamela	Lui, Hor Pak	\$40 000	8.25.06	\$90 000	4.23.07	225%				First Franklin
7	13120047	3448	East 51	Williams, Lakiesha	Merlave LTD	\$22 500	6.13.05	\$85 000	2.24.05	378%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	New Century
8	13120076	3460	East 52	Brown, Patricia	Lui, Yan Chang	\$24 500	5.28.03	\$77 000	6.6.05	314%	n/a	Kellogg, Mark	Mountaineer	Aegis Funding
9	13121104	3417	East 52	Rahmon, Wesley	Wong, Keng Ming	\$10 000	8.26.05	\$85 000	7.24.07	850%				Chase
10	13135129	3691	East 53	Johnson, Irvin Anthony	Poplar Assoc.	\$17 500	3.10.06	\$86 000	9.15.06	491%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	New Century
11	13135089	3729	East 54	Heard, Erlene	Wong, Keng Ming	\$17 000	7.05.05	\$85 000	3.16.06	500%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
12	13122057	3441	East 55	Perkins, F. & M.	Poplar Assoc.	\$31 000	9.26.05	\$87 000	4.26.06	281%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
13	13211042	3862	East 55	Gibson, Ann	Lui, Pak Yan	\$16 000	8.28.03	\$82 000	5.24.05	513%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
14	13210156	3811	East 55	Grady, Willie B Jr	Wong, Keng Ming	\$30 000	7.07.03	\$88 000	6.25.04	293%				Argent
15	13222116	4114	East 56	Buck, Eddie	Lui, Pak Yan	\$25 000	1.03.05	\$85 000	6.29.05	340%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
16	13137099	3726	East 57	Perkins, F. & M.	RJM Home	\$15 000	12.13.05	\$80 000	5.26.06	600%	Hoover, Bruce T.	First Metro Mtg Co	Mountaineer	New Century
17	13222066	4068	East 57	Johnson, Ervin	Lui, Pak					360%				New Century
18	13217038	3991	East 58	Philpotts, Wykeily	Merlave LTD					218%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	New Century
19	13208177	3674	East 61	Johnson, Ervin	RJM Home					600%	Rahmon, Wesley	Bark, Jamie	Mountaineer	Assured
20	13016093	3986	East 64	Burdine, Brent	Grady, Willie					300%	Rahmon, Wesley	Higgins, Tanya	Five Star	Long Beach
21	13219030	3987	East 64	Cody, Beverly	YYL, LLC					135%				Pak Lui
22	10601063	1313	East 65	Lam, Ken	Kwan, Man					556%	Lowe, Rayshawn	Mazanec, Mike	Mountaineer	Premier
23	12532006	3395	East 65	Lam, Ken	Lui, Pak Choong					203%	Rahmon, Wesley	Kellogg, Mark	Mountaineer	Argent
24	12528034	3432	East 65	Heard, Erlene	Merlave LTD					405%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
25	12503044	2994	East 65	Davis, Lana	Lui, Pak Choong					563%				People's Choice
26	12528037	3412	East 65	Kellog, Jeffrey	Lui, Pak Yan					444%				Argent
27	13219019	3982	East 66	Mitchell, Natalie	Lui, Pak Choong					362%	Rahmon, Wesley	Kellogg, Mark	Mountaineer	Argent
28	13219017	3988	East 66	Williams, Alfonso	Lui, Pak Tim					217%	Spahr, Daniel	Gonzalez, Alfredo	Five Star	Finance America
29	12532081	3391	East 66	Harris, Rodney	Wong, Keng Ming					100%				Argent
30	12514024	2993	East 67	Lee, Bonita	Wong, Keng Ming					538%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Argent



Councilman Anthony Brancatelli



# SEC: Main Street → Wall Street

## The Transaction Parties

**Sponsor.** Goldman Sachs Mortgage Company, a New York limited partnership with its principal executive offices at 85 Broad Street, [New York, New York 10004](#), telephone number [\(212\) 902-1000](#).

**Depositor.** GS Mortgage Securities Corp., a Delaware corporation with its principal executive offices at 85 Broad Street, [New York, New York 10004](#), telephone number [\(212\) 902-1000](#).

**Issuing Entity.** GSAMP Trust 2006-HE1.

Trustee. Deutsche Bank National Trust Company, a national banking association. The corporate trust office of the trustee is located at 1761 East

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St. Andrew Place, [Santa Ana, California 92705-4934](#), and its telephone number is [\(714\) 247-6000](#).

**Servicer.** Litton Loan Servicing LP, a Delaware limited partnership with its main office located at 4828 Loop Central Drive, [Houston, Texas 77081](#), and its telephone number is [\(713\) 960-9676](#).

Original Loan Sellers. SouthStar Funding, LLC, a Delaware limited liability company, and MILA, Inc., a Washington corporation. The principal executive office of SouthStar is located at 400 Northridge Road, Suite 1000, Atlanta, Georgia, 30350, and its telephone number is [\(770\) 641-4134](#). The principal executive office of MILA is located at 6021 244th Street S.W., [Mountlake Terrace, Washington 98043](#), and its telephone number is [\(800\) 332-6452](#). The original loan sellers also include certain entities that sold mortgage loans to the sponsor under its mortgage conduit program. Pursuant to the mortgage conduit program, the sponsor purchases mortgage loans originated by the original loan sellers if the mortgage loans generally satisfy the sponsor's underwriting guidelines.

**Custodians.** J.P. Morgan Trust Company, National Association, a national banking association, will act as a custodian with respect to 73.07% of the mortgage loans, and U.S. Bank National Association, a national banking association, will act as a custodian with respect to 7.21% of the mortgage loans. The trustee will have the custodial responsibilities with respect to the mortgage files for all other mortgage loans. The principal executive office of J.P. Morgan Trust Company, National Association is located at 2220 Chemsearch Boulevard, Suite 150, [Irving, Texas 75062](#), and its telephone number is [\(972\) 785-5274](#). The principal executive office of U.S. Bank is located at U.S. Bancorp Center, 800 Nicollet Mall, [Minneapolis, Minnesota 55402](#), and its telephone number is [\(651\) 695-6105](#).

**Swap Provider.** A swap provider that has a counterparty rating of at least "Aaa" from Moody's Investors Service, Inc. and a credit rating of "AA+" from Standard & Poor's Ratings Services, a division of The McGraw-Hill Companies, Inc. (or has a guarantor that has such ratings) will be employed in connection with this transaction.



# Wall Street



Goldman  
Sachs

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**CONFIDENTIAL – INDICATIVE TERMS**

## **ABACUS 2007-AC1**

*\$2 Billion Synthetic CDO*

*Referencing a static RMBS Portfolio*

*Selected by ACA Management, LLC*

February 26, 2007

The information contained herein is indicative only and the actual terms of any transaction will be set forth in the definitive Offering Circular.

Capitalized terms but not defined herein shall have the meanings set forth in the definitive Offering Circular.





# Wall Street

ABACUS 2007-AC1

LBMLT 2006-4

Mortgage  
Loan  
Trusts

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10414 NELSON AVENUE  
10512 SANDUSKY AVE  
10916 MOUNT OVERLOOK  
12007 OAKLAND AVENUE  
12014 GRIFFING AVENUE  
1223 E 87TH ST  
12412 LENACRAVE AVE  
1345 W 61 STREET  
1358 SHAWMEW AVE  
13912 BALDWIN AVE  
1532 E 47TH ST  
16227 EDGEWOOD CT  
16527 KIPLING AVENUE  
17103 OLYMPIA RD  
1814 BRAINARD AVENUE  
2086-2088 WEST 93RD STREET  
21015 NORTH STREET  
21128 GOLLER AVE  
2838 E 121ST ST  
3068 NURSERY AVE  
3069 W 105TH ST  
3174 W 82ND STREET  
3231 E 125TH ST  
3296 WEST 88TH STREET  
3397 E 143RD STREET  
3420 ALTA MONT AVENUE  
3432 E 65TH STREET  
3437 E 72ND STREET  
3572 E 82ND ST  
3593 E 61ST ST  
3603 HILDANA ROAD  
3729 E 54TH STREET  
3731 W 39TH ST  
3806 E 64TH STREET  
3859 W 41ST STREET  
3890 E 74TH ST  
420 ALTA MONT AVENUE  
4623 MEHLING COURT  
5101 DOLLOFF ROAD  
5105 ANSON AVENUE  
518 E 125TH STREET  
5522 KIMBERLY DRIVE  
5902 MAURICE AVENUE  
6307 HESLEY AVE  
6611 PERCY AVENUE  
6714 HOSMER AVENUE  
733 QUILLIAMS RD  
8022 GARFIELD BLVD  
8910 CONNECTICUT AVENUE  
901 E 131ST STREET  
9016 BLAINE AVE  
984-986 E 129TH ST  
9909 COLUMBIA AVENUE

Failed  
Cleveland  
Mortgages



# Obvious vs. Non-Obvious

- Documents allow extraction of standard transaction data
- Map obvious transactions & see flows
- But what about the non-obvious?
- What are the patterns behind the visible flows?



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24	12528034	3432	East 65	Heard, Erlene	Merlave LTD	\$21 000	4.08.05	\$85 000	3.27.06	405%	Hoover, Bruce T.	Kellogg, Mark	Mountaineer	Long Beach
25	12503044	2994	East 65	Davis, Lana	Lui, Pak Choong	\$13 500	4.01.93	\$76 000	2.24.03	563%				People's Choice
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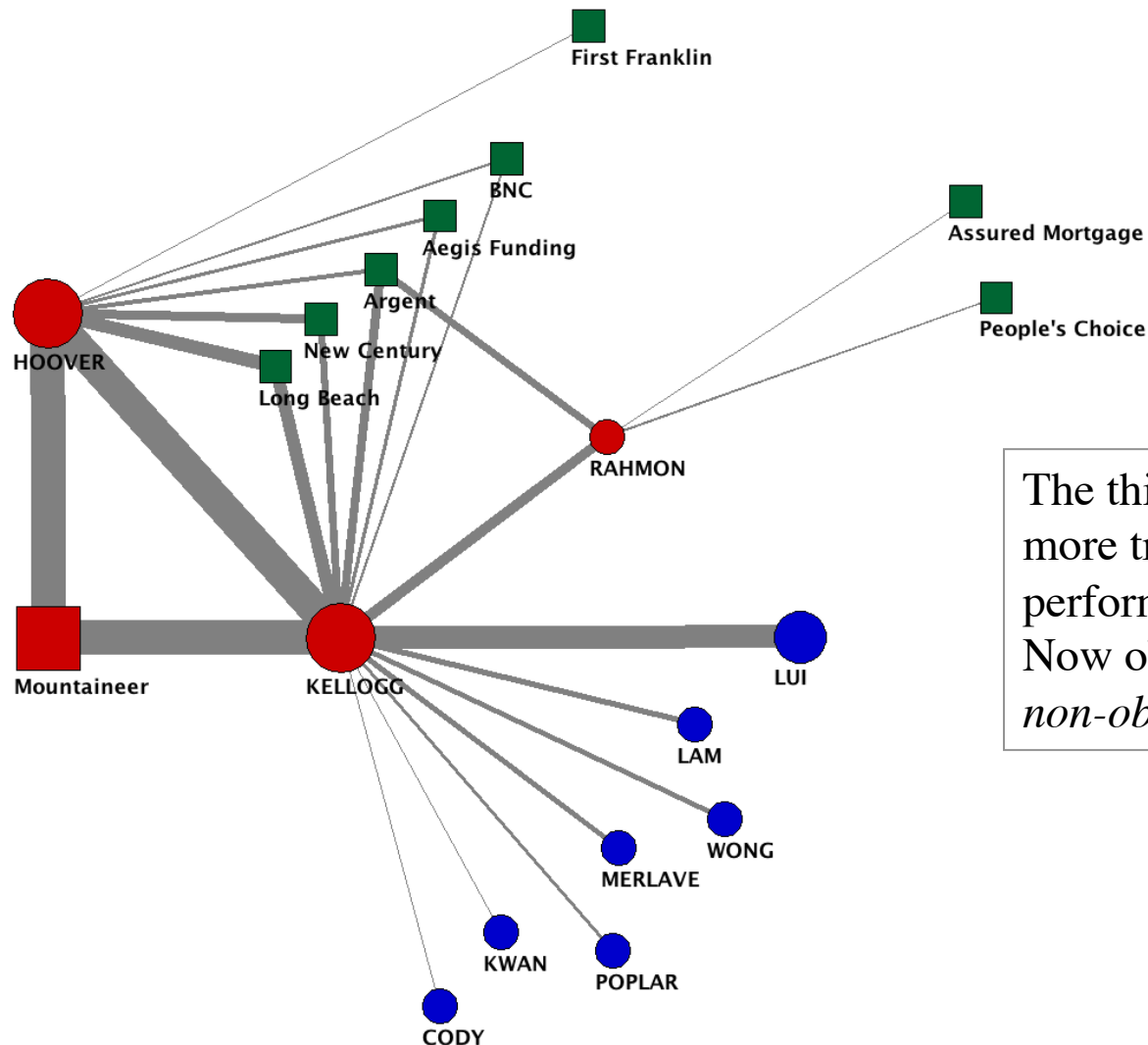


# Obvious Main Street Network



Home buyers, hi-lited  
in pink, have been  
foreclosed upon

# Non-Obvious Main Street Network



The thicker the line the more transactions performed together. Now obvious who the *non-obvious* players are!





# Someone Goes to Jail



<http://archive.wkyc.com/news/story.aspx?storyid=136388>

