Gathering 4 Gardner 9
Presentation Schedule

Thursday, March 25th, 2010

Morning Session: 8:30 AM - 12:30 PM

	Speaker	Title		
8:30 AM	Erez Lieberman-Aiden	Physical Analogues of Spacefilling Curves: How the human genome folds	30min	8:30 AM
	Jian Li	Three-dimensional space-filling curves	10min	
	Vladimir Bulatov	Artistic models of hyperbolic geometry	15min	
	Jason Rosenhouse	The Monty Hall Problem, Revisited	15min	
	Gary Foshee	The Tuesday Birthday Problem	10min	
	Martin Chlond	Knight Domination of 2d Surfaces	10min	
		Break	20min	
	John Conway	Untitled G4G9 Talk	25min	
	Uri Levy	The Magnetic Tower of Hanoi	15min	
	Dan Hirschberg	Constructing Problems of Geometric Combinatorics	15min	
	Naoaki Takashima	Betsumiya's space filling polyhedron	10min	
	Neil Sloane	The On-Line Encyclopedia of Integer Sequences Goes Wiki	15min	
	Benjamin Chaffin	Crunching the Numbers: Computing the Curling Number Conjecture and the Recaman Sequence	10min	
12:30 PM				12:30 PM

Afternoon Session: 1:30 PM - 6:30 PM

	Speaker	Title		
1:30 PM	Erik Demaine	Puzzling Ciphers: Origami Mazes and Elastic Letters	20min	1:30 PM
	Matthew Baker	The Dollar Game on a Graph	20min	
	Robert Bosch	Recent progress in Opt Art	15min	
	Kenneth Brecher	The Ambiguous Corner Cube and Friends	15min	
	Brian Chen	Triangles of Absolute Differences	15min	
	Cliff Pickover	The Making of *The Math Book*	15min	
	Glen Whitney	The Museum of Mathematics	15min	

		Break	20min	
	Laurie Young and Kay Caskey	The Art of Throwing Up	30min	
	Tomas Rokicki	Modern Life	10min	
	David Spies	GamesCrafters: A Computational Game Theory Undergraduate Research and Development Group at UC Berkeley	15min	
	Craig Kaplan	Constructing Parquet Deformations	15min	
	Greg Frederickson	Symmetry vs. Economy in Dissections of Squares and Cubes	15min	
	Sandro Del-Prete	Illusions from Sandro Del-Prete	10min	
	Alex Bellos	Flashing Numbers	10min	
	Eve Torrence	Cleaning up Lewis Carroll's Condensation Method	10min	
6:30 PM				6:30 PM

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Presentation Schedule

Friday, March 26th, 2010

Morning Session: 8:30 AM - 12:30 PM

	Speaker	Title		
8:30 AM	Tanya Khovanova	The Odd One Out & Unrevealing Coin Weighings	20min	8:30 AM
	John Edmark	Geometric Patterns of Change	15min	
	Carlo Sequin	The Beauty of Knots	15min	
	Robert Wainwright	Numerical Challenges	10min	
	Adrian Fisher	Custom Designed Puzzles	15min	
	Ed Pegg	Meet the Attendees	15min	
		Break	20min	
	Scot Morris	Cosmic 9	15min	
	Bruce Oberg	Nein to Nine	15min	
	Louis Kauffman	Knot Logic	20min	
	Carolyn Yackel	There's More Than One Way to Tile this Reptile	10min	

	Simon Bexfield	Random Tandems – getting the picture – can you see clearly at the back?	10min	
	Stephen Wolfram	TBA	20min	
12:30 PM				12:30 PM

Afternoon Session: 1:30 PM - 6:30 PM

	Speaker	Title		
1:30 PM	Steve Macknik	TBA	15min	1:30 PM
	Susana Martinez-Conde	TBA	15min	
	David Kaye	Psychological Explanations for Children's Magic Theory	15min	
	Brad Henderson	Exploding a Magical Myth	15min	
	Colm Mulcahy	Toe Tack Trick	15min	
	Adam Rubin	Gravity Unmatched	15min	
	Kenichi Miura	A Novel Application of Reuleaux Triangle	15min	
	Yoshiyuki Kotani	A Crypt-arithmetic Solver and Generation of Huge Problems	15min	
		Break	20min	
	Jerry Slocum	The History of Rubik's Cube	15min	
	Lucas Garron	Math and Speedcubing	10min	
	Bram Cohen	Twisty Puzzles	10min	
	Rik van Grol	The quest for God's Algorithm for the Rubik's Cube	15min	
	Roice Nelson	Klein's Quartic meets Rubik's Cube	10min	
	Anthony Steed	Bowties: A Novel Class of Space Filling Polyhedron	10min	
	Julian Ziegler Hunts, Corey Ziegler Hunts	Fun with the Minsky circle algorithm	10min	
	Masayoshi Iwai	Five trapezoids make regular pentagon	10min	
	Haruo Hosoya	Concentric and Spiral Tilings by a Pair of Penrose-Related Polygons	15min	
	Nina Douglas	artists and thinkerers	1min	
	Chaim Goodman-Strauss	The $100 GIft Prize	1min	
	Siobhan Roberts	Research for John Conway's Biography	1min	
6:30 PM				6:30 PM

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Presentation Schedule

Saturday, March 27th, 2010

Morning Session: 8:30 AM - 12:45 PM

	Speaker	Title		
8:30 AM	Jean Pedersen	Extended Face Planes of the 9 Regular Solids	30min	8:30 AM
	Zdravko Zivkovic	MemorIQ - The Memory Fitness	20min	
	Al Seckel	The Nature of Belief	20min	
	Daniel Erdely	SpHidrons and The 9 Points of Pythagoras	15min	
	Robert Crease	9 Great Equations	10min	
		Break	20min	
	Pablos Holman	Hackers & Invention	30min	
	Shannon Lieb	Probability in the Classical Sense and in the Quantum Mechanical Sense or Why You Would Not Use Quantum Probabilities to Play Poker	10min	
	Bruce Torrence	The Easiest Lights Out Games	10min	
12:45 PM	George Hart	Overview of the Math Sculptures at Toms!	60min	12:45 PM

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Presentation Schedule

Sunday, March 28th, 2010

Morning Session: 8:30 AM - 12:30 PM

	Speaker	Title		
8:30	Rich Schroeppel	Addition-Multiplication Chains and Factoring	15min	8:30

AM | | | | AM

Karl Schaffer	Dancing Tessellations	15min
Stuart Hastings	Measuring Polyhedra -- Extending SAS to 3D	15min
Linda Zayas-Palmer	Why 0.999... is greater than 1.000...	15min
Solomon Golomb	Pentomino Game on nxn Boards	15min
Colin Wright	Juggling: Theory and Practice	10min
Fernando Blasco	Salvador Dalí's puzzles	10min
	Break	20min
Dana Richards	Dear Marcello / Dear Martin	15min
George Bell	Puzzling with Polyspheres	15min
Anany Levitin	Algorithmic Puzzles: what they are and what they are good for	15min
Ed Pegg	Wolfram Demonstrations Project (6000+ and counting)	10min
Joshua Socolar	An Aperiodic Tile	10min
Alexandre Muñiz	Polyomino Covers	10min
Vi Hart	Puzzle Pieces: Mathematical Music	15min

12:30 PM | | | | 12:30 PM

Afternoon Session: 1:30 PM - 6:30 PM

Speaker	Title	
Scott Vorthmann	Nine Ways to Deform a Hyperdodecahedron	10min
Burkard Polster	What is the best way to balance your laptop on a bedside table?	10min
Gordon Hamilton	Unsolved Problems in the K-12 Classroom	15min
John Watkins	CanCan You KenKen?	15min
Ryuhei Uehara	Polygons folding to Two boxes	15min
Jeannine Mosely	Fun With Egg Cartons	10min
Adam Atkinson	Restoration of Ancient Text Adventures	10min
David Moulton	Representing powers as subset sums of small sets	10min
Carlos Santos	A New Implementation of a Mathematical Combinatorial System	10min
Akio Hizume	Fibonacci Tornado, Fibonacci Tunnel, Fibonacci Music	10min
	Break	20min
Kate Jones	Nine Fine Lines of Thought	10min

1:30 PM (left margin, Scott Vorthmann row)
1:30 PM (right margin, Scott Vorthmann row)

Bill Mullins	Martin Gardner and the Search for Erdnase	15min
Hirokazu Iwasawa	Hat-team Puzzles	15min
Jorge Nuno Silva	Game of Berkeley	10min
James Stephens	Complicated Simplicity	10min
George Hart	Comet!	10min
Mike Keith	Pilish 101: The Art and Mathematics of Pi Mnemonics	10min
Henry Segerman	Autologlyphs: Self referential mathematical typography	10min
David Singmaster	Ancient Fibonacci Manuscripts	5min

6:30
PM

6:30
PM