



Gathering for Gardner 10

Atlanta Downtown Ritz-Carlton Hotel
181 Peachtree Street N.E., Atlanta, Georgia 30303 USA
March 28th - April 1st, 2012

Users & Participants	4:37:05 pm EST	Thane Plambeck	Logout
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Conference Agenda

Overview and details of the sessions of this conference. Please select a date or room to show only sessions at that day or location. Please select a single session for detailed view (with abstracts and downloads if available).

Hide Presentations	Show Metadata	List View	More...	<input type="text" value="Name, Title..."/>
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Session Overview

Date: Thursday, 29/Mar/2012

8:30am [ThuAM1: Thursday AM Early](#)
- Location: [Ritz Carlton Large Meeting Room](#)

10:00am

Presentations

What to do with a rubber band
Hart, George

Update on North America's only Museum of Mathematics
Lawrence, Cindy

Flexible Polyforms
Muniz, Alexandre

The Whimsical Side of Martin Gardner
Sonenshein, Charles

10 flexes on a flexagon
Sherman, Scott

Ponder-This
Margalit, Oded

It's Not Music, It's Theory
Orman, Hilarie

Clouds in My Coffee / Pattern Recognition or Wake up & Photo Your Coffee!
Goldklang, Lew

10 MatheMagics for G4G10
Kauffman, Louis

Limited placement of Polyominoes
Golomb, Solomon W.

Celebration of Mind Party for Chicago
Railing, Max

10:30am

ThuAM2: Thursday AM Late
- Location: [Ritz Carlton Large Meeting Room](#)

12:00pm

Presentations

The Looking Glass Motion Effect
Brecher, Kenneth

The Cover and Column of the Feb 1971 Scientific American
Smith, Alvy Ray

Fruitloopery
Crease, Robert

Virtual Mechanical Puzzles

van Grol, Rik

Organising a successful national math week

Gill, Eoin; Donegan, Sheila

"Go First" Dice

Harshbarger, Eric

Fractal graphs by iterated substitution

Segerman, Henry

Let's play a concentration game with a few cards

Iwasawa, Hirokazu

Fads and Fallacies in the Name of Science and pseudoscience in China

Danyang, Chen

Martin and Lewis

Burstein, Mark

A Close Encounter With Near Misses

Kaplan, Craig

1:30pm

ThuPM1: Thursday PM EarlyLocation: [Ritz Carlton Large Meeting Room](#)

-

3:30pm

*Presentations***Meet the Attendees**

Pegg Jr., Ed

Teaching Math With Logic Puzzles

Hollingsworth, Blane

Mathematical Bead Weaving

Fisher, Gwen Laura

2x1 rectangles and domes

Harriss, Edmund

Truchet Tile Mosaics

Bosch, Robert

The Secretary Problem from the Applicants Point of View

Glass, Darren

10 Amazing Geometry Machines plus 2 more

Esterle, Richard

Computing and the Art of the Letter X

Szczepanski, Amy

Stereographic Photography and Numerology

Torrence, Bruce

4+X Symmetries in Temari

Yackel, Carolyn

What I Learned From Hanging Out With Creationists

Rosenhouse, Jason

A Trip to Euclid Avenue, Incorporating the final days before doomsday

Conway, John Horton

4:00pm

ThuPM2: Thursday PM LateLocation: [Ritz Carlton Large Meeting Room](#)

-

5:30pm

*Presentations***G4G - CoM**

Thompson, Tanya

A Deep Dive into Game Club

Ritchie, Bill

16 is Not Enough: The Minimum-Clue Conjecture for Sudoku

Taalman, Laura

See-saw Swap Solitaire

Roby, Tom; Propp, James; Linton, Steven; West, Julian

Live anamorphoses

Blasco, Fernando

Fun with Sierpinski's Gasket

Gosper, R. William; Ziegler Hunts, Julian

How Many Powers of 2 Can Be Subset Sums of a Set of Size n?

Moulton, David

Teaching Bright Kids Math Using Hackenbush

Davis, Tom

X-only Tic-Tac-Toe

Plambeck, Thane

Wrapping a Box with a Ribbon

Henle, James; Henle, Frederick

Generic Numerical Challenges

Wainwright, Robert

Date: Friday, 30/Mar/2012

8:30am

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FriAM1: Friday AM EarlyLocation: **Ritz Carlton Large Meeting Room**

10:00am

*Presentations***Ten Tetrahedra Emerge**

Torrence, Eve

Space-Filling Curves with Space-Filling Borders

McKenna, Doug

Have a "GO" at "LIFE"

Elran, Yossi

Imaginary Cube Puzzles.

Tsuiki, Hideki

Ten Piece Icosahedron Puzzles

Bell, George

An A* Sales Pitch, with chestnuts

Atkinson, Adam

The Bicolored Hexahexaflexagon

McLean, Thomas Bruce

What Shape is a Tree?

Miller, John

Vanishing Leprechauns, Kermit the Frogs, and Buildings

Chartier, Tim

Patterns II: Inductive logic game & tool for research training.

Schindler, Jay; Hurd, Lyman

Progressively More Difficult Polyomino Trays

Waite, William

10:30am

-

FriAM2: Friday AM LateLocation: **Ritz Carlton Large Meeting Room**

12:00pm

*Presentations***Powers of Ten**

Crease, Robert; Crease, Alexander

Rot, Ten

Oberg, Bruce

Anti - G

Sandfield, Robert

Sleights of Mind

Strengths of mind

Macknik, Stephen

What the Neuroscience of Magic Reveals About our Brains

Martinez-Conde, Susana

Illusions, attention, and the limits of awareness

Simons, Dan

Gestalt Magic: The Perceptual Foundations of Stage Illusion

Barnhart, Anthony

1:30pm

FriPM1: Friday PM EarlyLocation: [Ritz Carlton Large Meeting Room](#)

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3:30pm

*Presentations***Margaret Wertheim's G4G10 Talk**

Wertheim, Margaret

Twenty Moves Suffice for Rubik's Cube

Rokicki, Tomas; Kociemba, Herbert; Davidson, Morley; Dethridge, John

Developing the Over The Top 17x17x17 puzzle

van Deventer, Oskar

Definitions in Twisty Puzzles

Cohen, Bram

Designing and building twisty puzzles

van der Zanden, Tom

Beyond Rubik's Cube

Hoffman, Paul

How Do You Scramble a Puzzle?

Garron, Lucas

SUPERFLEXAGON!

Schwartz, Ann

Infinite Regular Polyhedra

Green, Melinda

Why Math Education Needs Puzzles

Kim, Scott

Fun with soap films and Platonic Solids

Becker, Bob

4:00pm

FriPM2: Friday PM LateLocation: [Ritz Carlton Large Meeting Room](#)

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5:30pm

*Presentations***Pablos Holman's G4G10 Talk**

Holman, Pablos

Folding the Hyperbolic Crane

Lang, Robert J.; Alperin, Roger C.; Hayes, Barry

Large Scale Modular Origami

Mosely, Jeannine

Tilings with pentagons

Scherphuis, Jaap

Geometrical shapes made with magnetic balls

Timmermans, Edo

Reversing the Game of Life for Fun and Profit

Bickford, Neil

Ten powerful ideas, iambically defined

Jones, Kate

Date: Saturday, 31/Mar/2012

8:30am

SatAM1: Saturday AM EarlyLocation: [Ritz Carlton Large Meeting Room](#)

-

10:00am

*Presentations***Medical Diagnostics, Bayes' Theorem, and Nomography**

Marasco, Joe

Cyclic Paths Inside Platonic Shells

Daniel, Wayne

Fortunatus's Purse: G4GX is in the bag (along with everything else)

Goldstine, Susan

"Loopy Love" -- A Twisted Tale on a Mobius Strip

Cipra, Barry

The self-wiring multi-state maze

Gilbert, Andrea

Polyform Puzzler, New Polyforms, and Recent Results

Goodger, David J.

A Ten-Cell Ornament

Banchoff, Thomas

10:30am

SatAM2: Saturday AM LateLocation: [Ritz Carlton Large Meeting Room](#)

-

12:00pm

*Presentations***Quantum Entanglement: Real but Mysterious**

Perkowitz, Sidney

Visualizing the 10-Dimensional 11-Cell

Sequin, Carlo

The Venus Scale

Schwabe, Caspar

On Regular Linked Structures

Jespersen, Bjarne

Quasi-Crystal Pavilion

Hizume, Akio

Ten Triangle Tensegrity

Swedenborg, Peter

Visual Pattern Generators

Edmark, John

Drop City, Domes and Zomes

Hildebrandt, Paul

1:00pm

SatPM: Saturday PM at Tom's House

-

5:00pm

Date: Sunday, 01/Apr/2012

8:30am

SunAM1: Sunday AM EarlyLocation: [Ritz Carlton Large Meeting Room](#)

-

10:30am

*Presentations***Grand Bowties - the Aerobics for a brain**

Zivkovic, Zdravko; Zivkovic, Teodora

Nob's puzzle collection and my paper puzzle

Uehara, Ryuhei

Drawing one-tenth similar triangle

Hosoya, Haruo

Algorithmic Puzzle Paradoxes

Levitin, Anany

Tricky Arithmetics

Khovanova, Tanya

Shogi Problems and Shogi Programs

Kotani. Yoshivuki

Return to Program

The Daughters of Hypatia: Circles of Mathematical Women

Schafer, Karl

Circo Matemático. Another World Record

Hirth, Tiago; Silva, Jorge Nuno

Geometry of Soccer

Carvalho, Alda; Santos, Carlos P.; Silva, Jorge N.

Latin Erdos

Silva, Jorge Nuno

Higher dimensional images connected to gravity and quantum field theory

Oceanu, Adrian

Design of non-linear writing systems

Sai, .

Tangled Bands

Abel, Zachary

11:00am

SunAM2: Sunday AM Late

Location: **Ritz Carlton Large Meeting Room**

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1:00pm

Presentations

Novel Educational Toys/Puzzles to Teach Multiplications to Grade School Children

Miura, Kenichi

Kite Spiral

Iwai, Masayoshi

Photographic Fractal Trees

Fathauer, Robert

Points of Intersection

Taimina, Daina

The snake and the hunter

Recaman, Bernardo

Complexity of Inaba's coin-covering problem

Hearn, Bob

Upper Bound for Inaba's Coin-Covering Problem

Hearn, Bob

Math Education from a Fresh(er) Perspective

Brown, Ethan

What Would Martin Tweet?

Mulcahy, Colm

Room X

Richards, Dana

The Making of the 36 Cube

Niederman, Derrick

Non-Euclidean Board Games

Hawksley, Andrea Johanna

Counting the Rationals

Calkin, Neil

2:00pm

Gift Exchange: G4G10 Gift Exchange

-

3:00pm

Presentations

"It's a Twister!"

Udall, Timothy

"The Elusive "E & Card" .

Rowett, Tim

/dev/joe's Pythagorean Puzzle

DeVincentis, Joseph

1/2+1/2-1=0

Pereira dos Santos, Carlos

10 MatheMagics for G4G10

Kauffman, Louis

10x1 in a cube

Knoppers, Peter

12-Card Star Sculpture Puzzle

Hart, George

2 x ribbon spread turnover = 1 x tractrix racer

Polster, Burkard

2012 EQUATIONS

Halici, Emrehan

3 LIGHTS OUT Puzzles for G4G10

Shader, Leslie; Shader, Bryan; Ipiña, Lynne

4 x 4 paper folding puzzle

Becker, Bob

4G4G4G10

Silva, Jorge Nuno

A "Stressful" Puzzle

Abel, Zachary

A 10-Dimensional Jewel

Sequin, Carlo

A Porous Aperiodic Decagon Tile

Bailey, Duane; Zhu, Feng

A Self-Negative Half-Space-Filling, Space-Filling Curve

McKenna, Doug

A Simple Time Machine

Engel, Doug

A Ten-Cell Ornament

Banchoff, Thomas

A-Z cubed

Manderscheid, Roger

Acrylic Decagram Puzzle

Muniz, Alexandre

Almost Symmetric

Bosch, Robert

Another Chess Mystery of Sherlock Holmes

Butters, Jerry

Anti - G

Sandfield, Robert

Backwards addition

Butler, Steve

Balance Puzzles

Hess, Dick

Bayes' Theorem Nomogram

Marasco, Joe

Blocked Bottom and Top Puzzle

Strout, Henry & Jeanne

Borders: a variant of Dots & Boxes

Colwell, Jason Andrew

Twas the Night Before GardnerTerlep, Timothy

BowtiesJones, Kate

Brainfreeze Sudoku variation puzzlesTaalman, Laura; Riley, Philip

Celebration of Mind Party for ChicagoRailing, Max

Chocolate Chip PiChartier, Tim

Clouds in My Coffee / Pattern Recognition or Wake up & Photo Your Coffee!Goldklang, Lew

Clueless Word PuzzlesHenle, Frederick

Collapsing numbers in bases 2, 3, and beyondButler, Steve; Graham, Ron; Stong, Richard

Computer HackenbushDavis, Tom

Constructing the dodecahedral trailCalkin, Neil

Cross Checker Paper Folding PuzzleUehara, Ryuhei

crossword puzzleMoulton, David

Cube RouteBobroff, Saul

Cube 'n CubeJespersen, Bjarne

CubokuHenle, James

Cut and Assemble Icosahedra, Twelve Models in White and ColorTorrence, Eve

Deltahedra PuzzlesLongtin, Tom

Design by einsteinSocular, Joshua

DOODLESNightingale, Simon

DVD of Selected Works by John EdmarkEdmark, John

Eureka!'s Cross Reference to Mathematical ThinkingLeschinsky, David

Factor SubtractorCipra, Barry

Feel the MovementFink, Alex; Sai, .

Fingerprint MazeCarpenter, Elizabeth

Folded Cookies for a Skeptic (Physical Gift) with Uploaded PaperOrndorff, Robert

Folding Martin GardnerDemaine, Erik; Demaine, Martin

Fortunatus XGoldstine, Susan

Four Corners PuzzleMaslanka, Chris

Four Semi-ChestnutsAtkinson, Adam

Fractal Trees bookFathauer, Robert

Free access to The Mathematical Intelligencer, vol. 33, no. 4Senechal, Marjorie

FruitlooperyCrease, Robert

G4 / G10 packing puzzleChaffin, Ben

G4G10 DiceHarshbarger, Eric

Gwen's 65 PuzzleSchaffer, Karl

Hex Over EasyStephens, James

hexaflexagonsSonenshein, Charles

Hyperbolic Crane DiagramsLang, Robert

Imaginary Cubes H and TTsuiki, Hideki

Infinity Dodecahedron Beaded BeadFisher, Gwen Laura

Knotted CogSegerman, Henry

Laurie's G4GX Pot PourriBrokenshire, Laurie

Lominoes for G4GXBell, George

Magic Jumping MouseTurner, Stephen

The Mutilated Chess Board (Revisited)Wright, Colin

Math HorizonsTorrence, Bruce

Minskys and TrinskysGosper, R. William; Ziegler Hunts, Julian; Holloway, John T.; Ziegler Hunts, Corey

MODULORSchwabe, Caspar

Non-Euclidean Board GamesHawksley, Andrea Johanna

origamiReis, Marti

Out of The Boxvan Deventer, Oskar

Packing PuzzleRokicki, Tomas

PENTA-GONE PUZZLENiederman, Derrick

Pentagon TilingsScherphuis, Jaap

Perspicuity: Cartoons by Craig SwansonSwanson, Craig

Portuguese Championship of Mathematical Games & $1/2+1/2-1=0$ Carvalho, Alda; Santos, Carlos

postcard and vZomeVorthmann, Scott

Puzzles in Recruiting -- a Practical Purpose for PuzzlesDunlap, Richard

Puzzles with hidden sinesLawrence, David

Quasi-Crystal PavilionHizume, Akio

Quilt 100, Two Mutually Orthogonal Squares of Order 10Kepner, Margaret

Quintet in FSlocum, Jerry

Recreational Mathematics Conference PostersHirth, Tiago

Representations of the 10 Geometric (10,3) ConfigurationsJohnston, William; Farrell, Jeremiah; Echols, Lacey

Retrolife - revisitedElran, Yossi

rhombic triacontahedron piecesComstock, Jana

Rubik's Cube PrototypeHoffman, Paul

SEABORGIUM CHEMICAL TABLEFarrell, Jeremiah

So Many Presentations, So Little Time!Barnhart, Anthony

So you want to become a magician...Levy, Doron

Some New Combinatorial Games (From the Past Ten Years)Siegel, Aaron

Spidron Anti-Prism (Right handed) and Spidron Anti-Prism (Left handed)Allen, Amina; Stranahan, Mike

Square and PentagonMorgan, Christopher

Stewart Coffin #225Raizer, Harold

SUPERFLEXAGON!Schwartz, Ann

Taking Sudoku Seriously OffprintTaalman, Laura; Rosenhouse, Jason

Temari MagnetYackel, Carolyn

Ten Card Magic SpellHofmeister, Conner

Ten Sided Yin-Yang GlobeStarr, Norton

TEN-Piece Dissection for MartinSandfield, Norman

TerseTalk (android app)Strickland, Henry

The Amazing Neon Flicker! with Element #10 - NEONGilbertson, Roger G.

The Feb 1971 Scientific American Cover and ColumnSmith, Alvy Ray

The Incompatible Food Triad -- Recipe Book #1Inglis, Tiffany C.

The Mathematics of Martin GardnerPeterson, Ivars

The Monkey Business IllusionSimons, Dan

The Secrets of Notakto: Winning at X-only Tic-Tac-ToePlambeck, Thane

The Stepping-Stone maze - A self-wiring multi-state mazeGilbert, Andrea; Abbott, Robert

The Trickiest Little Sliding Block PuzzleBickford, Neil

Three piece puzzlevan der Zanden, Tom

Three Variations on the G4G10 ThemeLevitin, Anany

Tool for "Kite Spiral"Iwai, Masayoshi

TOURMALINE - A Gem of a GemEchols, Lacey

Trick-opening cricket boxes from Chinade Vreugd, Frans

Tridome Hexayurt modelHarriss, Edmund

Turning Points (Physical Gift Exchange item)Kisenwether, Joseph

Two-Minute-Folding-PuzzleGoetz, Markus

T^2 TEN T^2: Ten Terribly Tempting Number Theory TidbitsWatkins, John

Untouchable 11 – Master ChallengeHoff, Carl N.

What Shape is a Tree?Miller, John

Word Rectangle

Elkies, Noam

X Games

Curtis, Pavel

{G4,GX} MagicTile Puzzles

Nelson, Roice

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