## ABRIDGED BRIDGES BALTIMORE CONFERENCE PROGRAM



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| :---: | :---: | :---: | :---: | :---: |
| 9:30 | The Curious Creativity of John Horton Conway Siobhan Roberts |  |  |  |
| 10:00 | The Golden Spiral... Misunderstanding P.Gailiunas |  | 10:30 |  |
| UB | Room 2 Morning 9:30am - 11:00am | SESSION 1 | Regular) | Chair: Emily Grosholz |
| 9:30 | Can Human Assistance Improve a Computational Poet? C.Lamb, D.Brown, C.Clarke |  |  |  |
| 10:00 | Poetry from Finite Projective Planes Daniel May and Courtney Huse Wika |  |  |  |
| 10:3 | Julia Randall's Poetic Finitude: Mapping the Infinite onto a Poem Emily Grosholz |  |  |  |
| UB | Turing Patterns in Photoshop A. Werth | SESSION 12 (Short) |  | Chair: Patric |
| 9:30 |  | 10:15 | age Pa | Matviychuk,S. Hug |
| 9:45 | Emergent Orange Jim Bumgardner | 10:30 | the Sha | K. Delp, S. Lloyd |
| 0:00 | mations in Conway's GoL R.Bosch | 10:45 |  |  |

UB Room 4-5 Morning 9:30am - 11:00am SESSION 13 (Workshop)
R4 The Aesthetics of Scale: Weaving Mathematical... Knoll, Landry, Taylor, Carreiro, Gerofsky
R5 Lissajus Curves: an Experiment in Creative Coding Lali Barrière
Coffee Break 11:00am - 11:30am
UB Moot Court Morning 11:30am - 12:30pm SESSION 14 (Plenary) Chair: Carlo H. Séquin 11:30 $\quad$ The Symmetries of Things John H. Conway

Lunch Break 12:30pm - 2:00pm
UB Room 1 Midday 2:00pm - 3:30pm SESSION 15 (Regular) Chair: James Mai

| $2: 00$ | Math Bugs Mike Naylor | $2: 30$ | Fun with Whirls Kerry Mitchell |
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3:00 Permutations of the Octagon: An Aesthetic-Mathematical Dialectic James Mai
UB Room 2 Midday 2:00pm - 3:30pm SESSION 16 (Regular) Chair: Ergun Akleman
2:00 $\quad$ "In an Ocean of Ashes": Order and Chaos in Math and Literature Katharine Ahrens
2:30 Ordinal-Contextual Dissimilarity for Analysis... B. Afsari, K. Mazdapour, B. Jedynak
3:00 $\quad$ A Theoretical Framework to Represent Narrative Structures... Akleman et al.
UB Room 3 Midday 2:00pm - 3:30pm SESSION 17 (Short) Chair: Rachel Hall
2:00 $\quad$... Möbius-Twisted...Knot Séquin, Larrucea $\quad 2: 45$ Infinite Rhythmic Tiling... C. Callender 2:15 Hypernom Hart, Hawksley, Segerman, Bosch $3: 00$ A Musical Scale Generated... R. Bain 2:30 UB Room 4-5 Midday 2:00pm - 3:30pm SESSION 18 (Workshop)
R4 $\quad$ Square Seeds... D. Thompson \& D. Cheng $\quad$ R5 Hearing Math \& Seeing Music... E. Lamb
UB $\quad$ Room 6 Midday 2:00pm - 3:30pm OPEN SESSION Chair: JoAnne Growney

R6 $\quad$ An Open Session in Poetry An informal gathering for poets to read \& discuss
Coffee Break 3:30-4:00
UB Room 1 Afternoon 4:00pm - 5:30pm SESSION 19 (Regular) Chair: Darrah Chavey
4:00 $\quad$ Curved Islamic Star Patterns of Medieval Egypt and Syria B Lynn Bodner
4:30 The Geometric Studies of Some Mosaic Design Compositions... Reza Sarhangi
5:00 Double Strip Patterns... Darrah Chavey, Monica Meissen, Todd O'Bryan \& Glenn Terry
UB Room 2 Afternoon 4:00pm - 5:30pm SESSION 20 (Regular) Chair: Karl Schaffer

4:00 $\quad$ Nonplanar Expansions of Polyhedral Edges in Platonic \& Archimedean David Reimann
4:30 The Platonic Solids: a Three-Dimensional Textbook Martin Levin
5:00 A Skeleton Key for the Platonic Solids Karl Schaffer
UB Room 3 Afternoon 4:00pm - 5:30pm SESSION 21 (Short) Chair: Kazmier Maslanka
4:00 $\quad$ The Shapes of Our Souls... Marion Cohen $14: 45$... Scribal Variation... Roger Bilisoly
4:15 ... Rhyme Patterns in Sonnet Hartmut Höft 7 5:00 $\quad$ Linguistic Oddities... Katie McCallum

| 4:30 | Inspire Math-Girls-Women J. Growney | $5: 15$ | The Paradigm Poem Kazmier Maslanka |
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UB Room 4-5 Afternoon 4:00pm - 5:30pm SESSION 22 (Workshop)
R4 Exploring Ratios and Sequences with Mathematically Layered Beverages Andrea Hawksley
R5 The Shape Snacker: a Bite of Origami and Math Alan Russell


| Saturday August 1, 2015 |  |
| :---: | :---: |
| UB | Room 1 Morning 9:30am - 11:00am SESSION 32 (Regular) Chair: Christopher Carlson |
| 9:30 | Self-Avoiding Random Walks Yielding Labyrinths Gary Greenfield |
| 10:00 | A Novel Line Fractal Pied de Poule (Houndstooth) Loe Feijs and Marina Toeters |
| 10:30 | Algorithmic Quilting Christopher Carlson, Nina Paley, and Theodore Gray |
| UB | Room 2 Morning 9:30am - 11:00am SESSION 33 (Regular, JMA) Chair: Craig S. Kaplan |
| 9:30 | Can zombies write mathematical poetry? ... Gizem Karaali |
| 10:00 | Barbers and big ideas: paradox in math and poetry Alice Major |
| UB | Room 3 Morning 9:30am - 11:00am SESSION 34 (Short) Chair: Douglas G Burkholder |
| 9:30 | 3D Lenticular Imaging for Art Yitzhak Weissman |
| 9:45 | Nature as a Strategy for Pattern Formation in Art Irene Rousseau |
| 10:00 | Eight-Pointed Star and Precise Construction of 7x7 Square Grid Dmitri Kozlov |
| 10:15 | Algorithms for Morphing Escher-Like Tessellations Kevin Lee |
| 10:30 | Random Walks on Vertices of Archimedean Tilings Vincent J. Matsko |
| 10:45 | Unexpected Beauty Hidden in Radin-Conway's Pinwheel Tiling Douglas G Burkholder |
| UB | Room 4-5 Morning 9:30am - 11:00am SESSION 35 (Workshop) |
| R4 U | Unit Origami: Star-Building on Deltahedra Heidi Burgiel |
| R5 C | Connecting with the Sierpinski Tetrahedron Alice Petillo |
| Coffee Break 11:00am - 11:30am |  |
| UB | Moot Court Morning 11:30am - 12:30pm SESSION 36 (Plenary) Chair: Kelly Delp |
| 11:30 | Modular Origami Halftoning: Theme and Variations Z. Xiao, R. Bosch, C. Kaplan, R. Lang |
| Lunch Break 12:30pm-2:00pm |  |
| UB | Moot Court Midday 2:00pm - 4:00pm SESSION 37 (Regular) Chair: Carlo H. Séquin |
| 2:00 | The Concept of Elevation applied to Flat Tiling Patterns Rinus Roelofs |
| 2:35 | Laser-Cut Plywood and Cable-Tie Sculpture George Hart |
| 3:10 | 2-Manifold Sculptures Carlo H. Séquin |
| 3:45 | Bridges Finland 2016 Osmo Pekonen and Kristóf Fenyvesi |
| Coffee Break 4:00pm - 4:30pm |  |

