Bridges Baltimore Family Day

Coordinator: Kristóf Fenyvesi
Friday July 31, 2015
University of Baltimore
John and Frances Angelos Law Center and the Wright Theater
1401 North Charles Street

UB Law Building				**Midday 2:00pm – 3:15pm Family Day Workshop**
F JUL 31	Room 4	2:00	WORK	**Elevations – Stellations** Rinus Roelofs, Helen Yu, and Marion Roelofs
F JUL 31	Room 5	2:00	WORK	**Riddles and Jokes** Marion Deutsche Cohen
F JUL 31	Room 6	2:00	WORK	**Block Workshop** John Hiigli
F JUL 31	Room 7	2:00	WORK	**The Story of the WOW Calendar** Doug and Aynn Titchenal

UB Law Building				**Afternoon 3:15pm – 4:30pm Family Day Workshop**
F JUL 31	Room 4	3:15	WORK	**Spherical models inspired by Fr. Magnus Wenninger** Joseph Clinton
F JUL 31	Room 5	3:15	WORK	**Make Geometric Art with ITSPHUN** Mircea Draghicescu
F JUL 31	Room 6	3:15	WORK	**Make Your Own MP3 with "Algorhythmic" Generation and *Aksak*–Euclidean Synthesis** Mehmet Vurkaç (for this workshop you need to bring your laptop)
F JUL 31	Room 7	3:15	WORK	**String Art in Mathematical Education** Radmila Radojevic, Branislava Jakovljevic

UB Law Building				Evening 4:30pm – 5:45pm Family Day Workshop
F JUL 31	Room 4	4:30	WORK	**Experience Workshop Introduces 4Dframe, Jomili and Saxon's Polyuniverse** Kristóf Fenyvesi
F JUL 31	Room 5	4:30	WORK	**Make Geometric Art with ITSPHUN** Mircea Draghicescu
F JUL 31	Room 6	4:30	WORK	**Imaginary Mathematics** Jean Constant, Bianca Violet (for this workshop you need to bring your laptop)

The Wright Theater				Afternoon 2:00pm - 9:00pm
F JUL 31 FD	1	2:00	SHOW	**Karl Schaffer, Saki, and Laurel Shastri** *Math and Dance*
F JUL 31 FD	2	2:30	SHOW	**Tim and Tanya Chartier** *Mime-Matics*
F JUL 31 FD	3	3:30	SHOW	**Steve Abbott** *Mathematical Theater*
F JUL 31 FD	4	5:30	SHOW	**Karl Schaffer, Saki, and Laurel Shastri** *Math and Dance*
F JUL 31 FD	5	6:00	SHOW	**Tim and Tanya Chartier** *Mime-Matics*
F JUL 31 FD	6	7:00	SHOW	**Vi Hart** *Music Night*

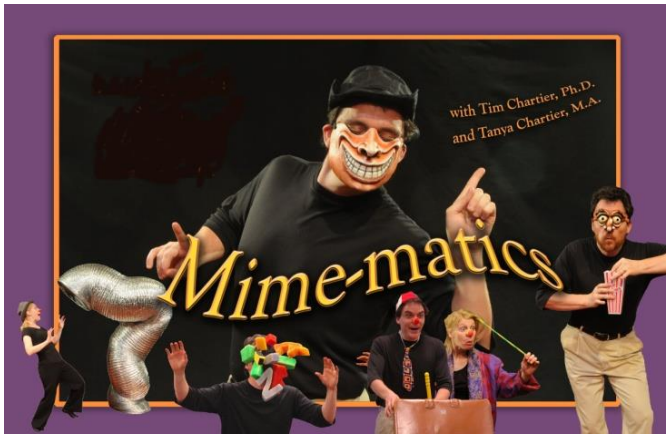
Law Building Moot Hall				**Afternoon 2:00pm - 7:00pm**
F JUL 31 FD	1	2:00	SHOW	**Robert Bosch** *Bridges 2015 Short Movie Festival*
F JUL 31 FD	2	3:30	SHOW	**Sarah Glaz** *Mathematics Poetry Afternoon*
F JUL 31 FD	3	5:30	SHOW	**Robert Bosch** *Bridges 2015 Short Movie Festival*

Law Building Room 204	**All Day**	***The Platonic Solids***

The Platonic Solids is a *Three-Dimensional Textbook* is an exhibit in room 204 at the 2015 Bridges conference that includes over 30 geometric sculptures, depicting the geometric relationships between the five Platonic solids, as well as extensive text explaining and developing those geometric ideas. It is accessible to those with little mathematical background, but those sophisticated in math will likely find some delightful surprises.

Pythagorean Trio

Dancers Karl Schaffer, Saki, and Laurel Shastri perform a mathematical romp through dance, including combinatoric and rhythmic play with boxes, bottles and vaudevillian hats and a "Dance from the Book". Karl is co-founder with Erik Stern of the Dr. Schaffer and Mr. Stern Dance Ensemble, which has been revealing the surprising connections between mathematics and dance for years through highly physical, engaging choreography peppered with their unique brand of humor and entertaining audience interactions.



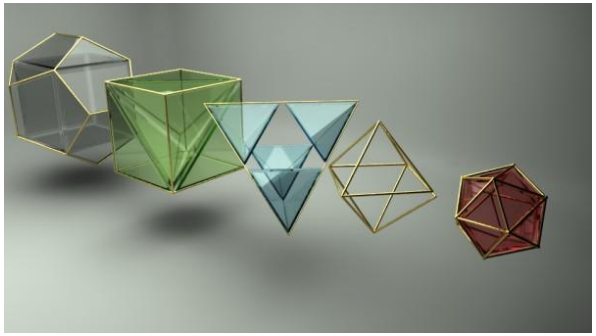
Mime-Matics

Tim and Tanya Chartier's mime combines masks, puppetry, and classical mime illusions into a distinctive style that they have performed throughout the United States and in national and international settings.

The Chartiers have trained at Le Centre du Silence mime school, the Dell'Arte School of International Physical Theater and with the world-renowned mime artist Marcel Marceau.

Bridges 2015 Short

The 6th Annual Bridges Short Movie videos and short films. The program will been created for educational, corporate opportunity for you to experience of mathematics and art.



Movie Festival

Festival will include a variety of juried and curated include movies, videos and animations that have and artistic purposes, and will provide another innovative and integrative techniques in the fields

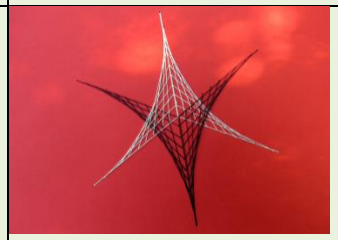
Bridges Baltimore Family Day Workshops

Elevations – Stellations by Rinus Roelofs, Helen Yu, and Marion Roelofs: *Come and construct beautiful geometrical paper-sculptures!*

Riddles and Jokes by Marion Deutsche Cohen: *At the mathematical poet and writer Marion Deutsche Cohen's workshop participants can bring in jokes and riddles that have to do with math, in some way. Part of the point is that participants see that math doesn't have to involve numbers – also, math is something that most everyone has done AND ENJOYED (whether or they knew that) – and mainly, math CAN be enjoyed.*

Block Workshop by John Hiigli: *Artist John Arden Hiigli will introduce how his patented tetrahedral building blocks and the little known block work of inventor Patricia A. Roane (1920-1996) can be used to teach geometric constructions and their transformations.*

The Story of the WOW Calendar by Doug and Aynn Titchenal: *The Wow Calendar is a mathematically inspired, artistically imagined 365-day calendar, constructed from a centered square and executed in a variety of media. Come join the fun! All that is required is curiosity.*



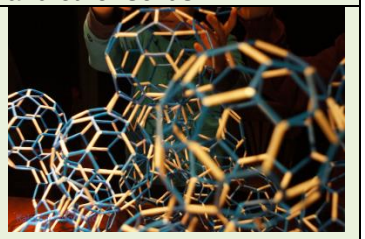
String Art in Mathematical Education by Radmila Radojevic and Branislava Jakovljevic: *After participants have understood the basics, it will be fun to apply symmetry and watch how interesting structures appear.*

Make Geometric Art with ITSPHUN by Mircea Draghicescu: *We will have a lot of ITSPHUN pieces and invite everybody to play! Build your own creations or make Platonic, Archimedean and other solids.*

Spherical Models Inspired by Fr. Magnus Wenninger Workshop by Joseph Clinton: *100 small kits of die-cut paper materials for constructing a 7 inch diameter model of a geodesic dome will be available. The polyhedron model is inspired by Fr. Magnus Wenninger's book* Spherical Models.

Make Your Own MP3 with "Algorhythmic" Generation and Aksak–Euclidean Synthesis by Mehmet Vurkaç: *The workshop presents rhythm cells and their interactions according to the Afro-Latin framework uncovered by the facilitator. After trying out rhythm segments through clapping, singing, drumming, or using free drum-machine software, participants record their preferences on a worksheet, and receive an MP3 based on their construction in one of several styles (Brazilian, Haitian, funk, Middle Eastern, etc.).*

Experience Workshop Introduces 4Dframe, Jomili and Saxon's Polyuniverse by Kristóf Fenyvesi: *join us and try the amazing 4Dframe toolkits from Korea* for assembling Fullerene-"soccer balls"; experim*ent with the Jomili block set from Slovakia to build planar or spatial patterns, pictures or visual illusions; play with the colorful PolyUniverse from Hungary and create your own artistic world.*



Imaginary Mathematics by Jean Constant and Bianca Violet: *Creative computer&art workshop for youngs and adults interested to hands-on practice of the free, interactive Imaginary's SURFER program. Enter simple equations that produce beautiful images, which are surfaces in space, play around with colors and turn your surface around to see it from all angles. SURFER features a variety of content that can be used in schools, at home, in museums, at exhibitions or for events of all kind. IMAGINARY is a project of the Mathematisches Forschungsinstitut Oberwolfach, Germany and funded by the Klaus Tschira Stiftung.*