

BRIDGES FINLAND 2016 CONFERENCE SCHEDULE

August 9-13, 2016

University of Jyväskylä, Finland

Address: Mattilanniemi 2, Agora building

REGISTRATION: August 8, 2016, 10am – 6pm & Aug 9, 2016, 8:00am - 9:30am

Tuesday August 9, 2016

JYU Auditorium 1 Welcome Remarks and the Memorial 9:30am – 10:20am

Bridges Finland 2016 Organizing Committee

Welcoming Remarks (No registration during this time)

Reza Sarhangi Memorial

Carlo H. Séquin, George Hart, Craig S. Kaplan, Kristóf Fenyvesi, Michele Emmer and Sujan Shrestha

Break 10:20am – 10:30am

JYU Plenary Talk Morning 10:30am – 12:30pm SESSION 1 Chair: Eve Torrence

T AUG 9	Aud 1	10:30	PLEN	The Subtlety of Influence Math, Art, and Black Mountain College Marjorie Wikler Senechal
T AUG 9	Aud 1	11:30	PLEN	Squares that Look Round: Transforming Spherical Images Saul Schleimer and Henry Segerman

H

2016 Art Exhibition Opening 12:30pm – 1:00pm (Lea Pulkkinen Hall)

Lunch Break 1:00pm – 2:30pm

JYU Room 2				Midday 2:30pm – 4:00pm	SESSION 2	Chair: Carlo H. Séquin
T AUG 9	1	2:30	REG	The Elevation of Coxeter's Infinite Regular Polyhedron 444444 Rinus Roelofs		
T AUG 9	2	3:00	REG	Hypocycloid Juggling Patterns Craig S. Kaplan		
T AUG 9	3	3:30	REG	From Klein Bottles to Modular Super-Bottles Carlo H. Séquin		

JYU Room 3				Midday 2:30pm – 4:00pm	SESSION 3	Chair: Donald Spector
T AUG 9	1	2:30	REG	Geometric Circles in Aleksis Kivi's Texts Tiina Katriina Kukkonen		
T AUG 9	2	3:00	REG	The Rhythm of a Pattern Sama Mara		
T AUG 9	3	3:30	REG	Colors and Incomputability Donald Spector		

JYU Room 4				Midday 2:30pm – 4:00pm	SESSION 4	Chair: Kenneth Brecher
T AUG 9	1	2:30	SHRT	Possibilities of the Parabola Robyn Gibson and Melissa Silk		
T AUG 9	2	2:45	SHRT	A Fast Algorithm for Creating Turing-McCabe Patterns Markus Schwehm		
T AUG 9	3	3:00	SHRT	Three-Dimensional Score: Seeing Music, Hearing Sculpture Miika Karttunen and Atte Tenkanen		
T AUG 9	4	3:15	SHRT	The "Dual Nature" of the Point János Szász Saxon		
T AUG 9	5	3:30	SHRT	Mathematics Meets Cinema: La Figure de la Terre Osmo Pekonen and Axel Straschnoy		
T AUG 9	6	3:45	SHRT	Polyhedral Tableaux Kenneth Brecher		

JYU Room 5/ 6				Midday 2:30pm – 4:00pm	SESSION 5	Workshop
T AUG 9	Room 5	2:30	WORK	Mathematics Through the Matrix of Poetry Tom Petsinis		
T AUG 9	Room 6	2:30	WORK	Elliptic Paraboloids in Circumpolar Vernacular Architecture Nancy Mackin		

Coffee Break 4:00pm – 4:30pm

JYU Room 2				Afternoon 4:30pm – 6:00pm	SESSION 6	Chair: Tom Verhoeff
T AUG 9	1	4:30	REG	A Graph-Theoretic Approach to the Analysis of Contra Dances Matthew Thomas and Crystal Peebles		
T AUG 9	2	5:00	REG	Planes and Frames: Spatial Layering in Josef Albers' Homage to the Square Paintings James Mai		
T AUG 9	3	5:30	REG	Three Mathematical Sculptures for the Mathematikon Tom Verhoeff and Koos Verhoeff		

JYU Room 3				Afternoon 4:30pm – 6:00pm	SESSION 7	Chair: Gary R. Greenfield
T AUG 9	1	4:30	REG	Tuti Weaving Abdalla G. M. Ahmed and Oliver Deussen		
T AUG 9	2	5:00	REG	Modeling Braids, Cables, and Weaves with Stranded Cellular Automata Joshua Holden and Lana Holden		
T AUG 9	3	5:30	REG	Turing-like Patterns from Cellular Automata Gary R. Greenfield		

JYU Room 4				Afternoon 4:30pm – 6:00pm	SESSION 8	Chair: Nikita Mamedov
T AUG 9	1	4:30	SHRT	Teaching and Learning Basic Group Theory Through Building Models of Polyhedra Sviatoslav Archava, Leela Goel and Erin Traister		
T AUG 9	2	4:45	SHRT	Molecular Modeling of Four-Connected Zeolite Frameworks with Mathematical Beading Chia-Chin Tsou and Bih-Yaw Jin		
T AUG 9	3	5:00	SHRT	A Zometool Model of the B-DNA László Vörös		
T AUG 9	4	5:15	SHRT	Phylogenetic Analysis of the Ancient Greek Paeonic Rhythms Godfried T. Toussaint		
T AUG 9	5	5:30	SHRT	A Musical Polyhedron Updated for the 21st Century Cathleen O'Neil		
T AUG 9	6	5:45	SHRT	Prelude Op. 11, No. 1 by A. Scriabin: ICVSIM Relations Nikita Mamedov and Robert Peck		

JYU CLab1 / Room 5				Afternoon 4:30pm – 6:00pm	SESSION 9	Workshop
T AUG 9	CLab 1	4:30	WORK	Exploring the Arts Online with the Wolfram Language Christopher Carlson		
T AUG 9	Room 5	4:30	WORK	Rhombic Triacontahedron Puzzle George Hart and Elisabeth Heathfield		

Welcome Reception 7:00pm – 8:30pm

Hosted by the city of Jyväskylä, City Hall
Address: Vapaudenkatu 32

Wednesday August 10, 2016

JYU Room 2				Morning 9:30am – 11:00am	SESSION 10	Chair: Douglas M. McKenna
W AUG 10	1	9:30	REG	Hex Rosa Markus Rissanen		
W AUG 10	2	10:00	REG	From Checkerboard to Cloverfield: Using Wang Tiles in Seamless Non-Periodic Patterns Tuomas Nurmi		
W AUG 10	3	10:30	REG	Tendril Motifs for Space-Filling, Half-Domino Curves Douglas M. McKenna		

JYU Room 3				Morning 9:30am – 11:00am	SESSION 11	Chair: Jay Zimmerman
W AUG 10	1	9:30	REG	The Conformal Hyperbolic Square and Its ilk Chamberlain Fong		
W AUG 10	2	10:00	JMA	Almada Negreiros and the Geometric Canon Simão Palmeirim Costa and Pedro J. Freitas		
W AUG 10	3	10:30	REG	Portraits of Groups on Bordered Surfaces Jay Zimmerman		

JYU Room 4				Morning 9:30am – 11:00am	SESSION 12	Chair: Samuel Verbiese
W AUG 10	1	9:30	SHRT	Scales and Temperament from the Mathematical Viewpoint Steven A. Bleiler and Ewan Kummel		
W AUG 10	2	9:45	SHRT	Constructing Meaning Through Making and Creating Gail Tang and Alan Tollefson		
W AUG 10	3	10:00	SHRT	Two Non-Octave Tunings by Heinz Bohlen: A Practical Proposal Reilly Smethurst		
W AUG 10	4	10:15	SHRT	The Pentagonal Numbers Meet the Choose-4 Numbers James Morrow		
W AUG 10	5	10:30	SHRT	Off the Wall: A Brief Report Charlene Morrow		
W AUG 10	6	10:45	SHRT	Bridges as an Incentive to Collaborative Works II Anusch Bayens, Carlo De Pauw, Carmen Geens, Mark Pieters, André Thomas, Alex Van Bogaert, Samuel Verbiese and Nico Willemsens		

JYU Room 5/ CLab1				Morning 9:30am – 11:00am	SESSION 13	Workshop
W AUG 10	Room 5	9:30	WORK	Origami as a Tool for Exploring Properties of Platonic Solids Natalija Budinski		
W AUG 10	CLab 1	9:30	WORK	Spinning Arms in Motion: Exploring Mathematics within the Art of Figure Skating Tetyana Berezovski, Diana Cheng and Rachel Damiano		

Coffee Break 11:00am – 11:30am

JYU Plenary Talk				Morning 11:30am – 12:30pm	SESSION 14	Chair: Bruce Torrence
W AUG 10	Aud 1	11:30	PLEN	Immersion in Mathematics Judy Holdener		

Coffee and Lunch Break 12:30pm – 2:30pm

JMA Board meeting

JYU Room 2				Midday 2:30pm – 4:00pm	SESSION 15	Chair: Craig S. Kaplan
W AUG 10	1	2:30	REG	The Size and Shape of Utopia Andrew Simoson		
W AUG 10	2	3:00	REG	Geometry and Aesthetics of Pentagonal Structures in the Art of Gerard Caris Cornelie Leopold		
W AUG 10	3	3:30	REG	Combinatorial Poppies Karl Kattchee and Craig S. Kaplan		

JYU Room 3				Midday 2:30pm – 4:00pm	SESSION 16	Chair: Dan G. Brown
W AUG 10	1	2:30	REG	A Mathematical Approach to Obtain Isoperimetric Shapes for D-Form Construction Ramon Roel Orduño, Nicholas Winard, Steven Bierwagen, Dylan Shell, Negar Kalantar, Alireza Borhani and Ergun Akleman		
W AUG 10	2	3:00	REG	A Taxonomy of Generative Poetry Techniques Carolyn Lamb, Dan G. Brown and Charlie L.A. Clarke		

JYU Room 4				Midday 2:30pm – 4:00pm	SESSION 17	Chair: Sharol Nau
W AUG 10	1	2:30	SHRT	The Fourth Dimension in Mathematics and Art Jean Constant		
W AUG 10	2	2:45	SHRT	The Golden Ratio and the Diagonal of the Square Gabriele Gelatti		
W AUG 10	3	3:00	SHRT	Blogging Math Art Susan Happersett		
W AUG 10	4	3:15	SHRT	A Successful Art&Math Exhibition with Workshops II Gisèle De Meur and Samuel Verbieese		
W AUG 10	5	3:30	SHRT	The Math and Art of Folded Books Sharol Nau and Richard Nau		

JYU CLab1 / Room 5				Midday 2:30pm – 4:00pm	SESSION 18	Workshop
W AUG 10	CLab 1	2:30	WORK	Legerdemain: Exploring Tessellation with CatsEye Douglas Easterly		
W AUG 10	Room 5	2:30	WORK	(Pattern)² Liz Shreeve and Melissa Silk		

Coffee Break 4:00pm – 4:30pm

JYU Room 2				Afternoon 4:30pm – 6:00pm	SESSION 19	Chair: Ron Asherov
W AUG 10	1	4:30	REG	Another Look at Pentagonal Persian Patterns Jean-Marc Castera		
W AUG 10	2	5:00	REG	Geometric Patterns as Material Things: The Making of Seljuk Patterns on Curved Surfaces Begüm Hamzaoğlu and Mine Özkar		
W AUG 10	3	5:30	REG	Underlying Tiles in a 15th Century Mamluk Pattern Ron Asherov		

JYU Room 3				Afternoon 4:30pm – 6:00pm	SESSION 20	Chair: S. J. Spencer
W AUG 10	1	4:30	REG	Strictly Coding: Connecting Mathematics and Music Through Digital Making Pam Burnard, Zsolt Lavicza and Carrie Anne Philbin		
W AUG 10	2	5:00	REG	Genera Esfera: Interacting with a Trackball Mapped onto a Sphere to Explore Generative Visual Worlds Lali Barrière and Anna Carreras		
W AUG 10	3	5:30	REG	Not only Art but also Rocket Science S. J. Spencer		

JYU Room 4				Afternoon 4:30pm – 6:00pm	SESSION 21	Chair: David A. Reimann
W AUG 10	1	4:30	SHRT	Teaching Combinatorics with “Poly-Universe” Eleonóra Stettner and György Emese		
W AUG 10	2	4:45	SHRT	Sections of Coxeter Orbihedra Motiejus Valiunas, Emilio Zappa and Briony Thomas		
W AUG 10	3	5:00	SHRT	Beautification of Islamic Patterns via Constraint Satisfaction Yongquan Lu and Erik D. Demaine		
W AUG 10	4	5:15	SHRT	Spelunking Adventure VI: An Equal Tempered Icosahedral Scale Curtis Palmer		
W AUG 10	5	5:30	SHRT	Gödel, Escher, Bach: Just Another Braid Hans Kuiper and Walt van Ballegooijen		
W AUG 10	6	5:45	SHRT	Snub Polyhedral Forms Constructed from Flexible 60-120 Degree Rhombic Tiles David A. Reimann		

JYU Room 5-6				Afternoon 4:30pm – 6:00pm	SESSION 22	Workshop
W AUG 10	Room 5	4:30	WORK	Putting Your Best Foot Forward: Movement and Mathematics in College Erik Stern and Julian Chan		
W AUG 10	Room 6	4:30	WORK	Dual Models: One Shape to Make Them All Mircea Draghicescu		

JYU Room 7				Afternoon 4:30pm – 6:00pm	SESSION 23	Chair: Rebekah Rousi
T AUG 11	1	4:30	ABST	Engaging Diverse Students Through Digital Literacy in an Australian University Enabling Program Jennifer Stokes		
T AUG 11	2	4:45	ABST	Exploring Multiple Representations: Animated Graphics Interchange Format as a Cognitive Tool Mara Alagic and Glyn Rimmington		
T AUG 11	3	5:00	ABST	Hypercross: Pure Mathematics Meets Sacred Geometry Silas Drewchin, John Hiigli and John Saxon-Szasz		
T AUG 11	4	5:15	ABST	Experiences of Guiding Questions in Life-Based Design Education - Building Blocks for Vision Creation Rebekah Rousi		

ELEVATIONS AND STELLATIONS 7:00pm – 7:30pm

**Meet the artist Rinus Roelofs at his exhibition in Keski-Suomen Luontomuseo
 Art Gallery of Central-Finland's Natural History Museum**
 Jyväskylä, Vesilinna, Ihantolantie 5

More info: <http://bridgesmathart.org/bridges-2016/2016-additional-exhibits/rinus-roelofs-nl-elevations-stellations/>

BRIDGES 2016 PUBLIC EVENT 8:30pm – 10:00pm

Venue: Agora, Auditorium 1

Leonardo's Bridge in Ice by Arno Pronk (University of Eindhoven), Juhani Lillberg (International Association of Snow and Ice Sculpture), and Nina Heikkonen (Alvar Aalto Foundation).

Sponsored by Mathematical Sciences Research Institute (MSRI)

More info: <http://bridgesmathart.org/bridges-2016/2016-leonardo-s-bridge-in-ice/>

**Thursday August 11, 2016
Finnish Day**

JYU Plenary Talk				Morning 9:30am – 11:00am	SESSION 24	Chair: Kristóf Fenyvesi
T AUG 11	Aud 1	9:30	PLEN	Interdisciplinary Research, Learning and Innovation at University of Jyväskylä Kaisa Miettinen		
T AUG 11	Aud 1	10:00	PLEN	Mathematics of Juggling: A Personal View Harri Varpanen		
T AUG 11	Aud 1	10.30	PLEN	World as Numbers: Living in an Algorithmic Culture Raine Koskimaa		

Coffee Break 11:00am – 11:30am

JYU Plenary Talk				Morning 11:30am – 12:30am	SESSION 25	Chair: Osmo Pekonen
T AUG 11	Aud 1	11:30	PLEN	Crystal Flowers in Halls of Mirrors: Mathematics Meets Art and Architecture Kirsi Peltonen		
T AUG 11	Aud 1	12:00	PLEN	Mathematics Learning through Arts and Collaborative Problem-Solving: The Princess and the Diamond-Problem Markus Hähkiöniemi, Kristóf Fenyvesi, Johanna Pöysä-Tarhonen, Mirja Tarnanen, Päivi Häkkinen, Merja Kauppinen, Anne Martin and Pasi Nieminen		

Coffee and Lunch Break 12:30pm – 2:30pm

JYU Room 2				Midday 2:30pm – 4:00pm	SESSION 26	Chair: Roger Burrows
T AUG 11	2	2:30	REG	Artefacts to Enhance Geometrical Thinking Zekeriya Karadag		
T AUG 11	3	3.00	REG	Shape-Changing Polyhedra Roger Burrows		

JYU Room 3				Midday 2:30pm – 4:00pm	SESSION 27	Chair: Javier Barrallo Calonge
T AUG 11	1	2:30	REG	Dancing Math: Teaching and Learning in the Intersection of Aesthetic and Mathematical Literacy Paul Moerman		
T AUG 11	2	3:00	REG	Fostering Creativity in the Teaching of Mathematics with Project Based Learning Javier Barrallo Calonge and Luis Martín Yagüe		

JYU Room 4				Midday 2:30pm – 4:00pm	SESSION 28	Chair: David Chappell
T AUG 11	1	2:30	SHRT	Pointillist Graphing of Iterated Function Systems Risto A. Paju		
T AUG 11	2	2:45	SHRT	A New Algorithm for Rendering Kissing Schottky Groups Kento Nakamura and Kazushi Ahara		
T AUG 11	3	3:00	SHRT	L-System Nomographs: Aesthetics to Calculation Leif Roschier and Ron Doerfler		
T AUG 11	4	3:15	SHRT	Polygon Spirals Nick Mendler		
T AUG 11	5	3:30	SHRT	Flatscape of Measure Polytopes Glenn C. Smith		
T AUG 11	6	3:45	SHRT	Thoughts on Generative Art David Chappell		

JYU Room 7				Midday 2:30pm – 4:00pm	SESSION 29	Chair: Katie McCallum
F AUG 11	1	2:30	SHRT	Organic 3D Mesh Creation Through Particle-Based Physics Simulation Sage Jenson		
F AUG 11	2	2:45	SHRT	Digital Mechanics and The Rolling Coin Clock Bjarne Jespersen		
F AUG 11	3	3:00	SHRT	Chladni Figures Revisited: A Peek Into The Third Dimension Martin Skrodzki, Ulrich Reitebuch and Konrad Polthier		
F AUG 11	4	3:15	SHRT	Baton Rolling on a Series of Curved Surfaces Akihiro Matsuura and Yuki Yamada		
F AUG 11	5	3:30	SHRT	A Eulogy in Honour of Anders Johan Lexell, an 18th Century Finnish Mathematician Joonas Ilmavirta and Johan C.-E. Stén		
F AUG 11	6	3:45	SHRT	Why Do Mathematical Presentations Sometimes Sound Like Cookery Shows? Katie McCallum		

JYU CLab1 / Room 5				Midday 2:30pm – 4:00pm	SESSION 30	Workshop
T AUG 11	CLab 1	2:30	WORK	Euclid's Digital Elements: Straightedge and Compass Softwares as Aid for Geometrical Design Vladmir Sicca		
T AUG 11	Room 5	2:30	WORK	Modelling Environmental Problem-Solving through STEAM Activities: 4Dframe's Warka Water Workshop Kristóf Fenyvesi, Ho-Gul Park, Taeyong Choi, Kwangcheol Song, Seungsuk Ahn		

Coffee Break 4:00pm – 4:30pm

JYU Room 2				Afternoon 4:30pm – 6:00pm	SESSION 31	Chair: Paul Gailiunas
T AUG 11	1	4:30	REG	Interlinking Polyhedral Wire-Frames Walt van Ballegooijen and Carlo H. Séquin		
T AUG 11	2	5:00	REG	Euler-Cayley Formula for 'Unusual' Polyhedra Dirk Huylebrouck		
T AUG 11	3	5:30	REG	Helical Petrie Polygons Paul Gailiunas		

JYU Room 3				Afternoon 4:30pm – 6:00pm	SESSION 32	Chair: Robert Bosch
T AUG 11	1	4:30	SHRT	Prime Portraits Zachary Abel		
T AUG 11	2	4:45	SHRT	Representational Random Walks Max Grusky		
T AUG 11	3	5:00	SHRT	Texturing Coloured Images in Black and White Hank Guss		
T AUG 11	4	5:15	SHRT	Creating the "Discover the Art of Math" Exhibition Kertu Saks and Aare Baumer		
T AUG 11	5	5:30	SHRT	Mathematics on TV? Yes, We Can! Rogério Martins		
T AUG 11	6	5:45	SHRT	Lights Out Animations Robert Bosch		

JYU Room 5/6				Afternoon 4:30pm – 6:00pm	SESSION 33	Workshop
T AUG 11	Room 5	4:30	WORK	Fractal Flipbooks Andrea Hawksley and Scott Kominers		
T AUG 11	Room 6	4:30	WORK	Lumifold: a STEAM Activity Melissa Silk and Jane Martin		

JYU Room 4				Afternoon 4:30pm – 6:00pm	SESSION 34	Chair: Susan Goldstine
T AUG 11	1	4:30	SHRT	Mathematikon: A Mathematical Shopping Center Bianca Violet and Andreas Matt		
T AUG 11	2	4:45	SHRT	Pattern Design Using Cellular Automata and Iterative Relocation System Jae Kyun Shin and Seung Ryul Choi		
T AUG 11	3	5:00	SHRT	Sculpturing Surfaces with Cartan Ribbons Matteo Raffaelli, Jakob Bohr and Steen Markvorsen		
T AUG 11	4	5:15	SHRT	Novel Textile Knot Designs Through Mathematical Knot Diagrams Nithikul Nimkulrat and Janette Matthews		
T AUG 11	5	5:30	SHRT	Pied de Pulse: Packing Embroidered Circles and Coil Actuators in Pied de Poule (Houndstooth) Loe Feijs and Marina Toeters		
T AUG 11	6	5:45	SHRT	A Recursion in Knitting Susan Goldstine		

JYU Room 7				Afternoon 4:30pm – 6:00pm	SESSION 35	Chair: Leena Turja
T AUG 11	1	4:30	ABST	Innovation of Mathematical Study through the Integration with Arts and Technologies Keigo Kawakubo and Ryosuke Nagaoka		
T AUG 11	2	4:45	ABST	On the Artistic Aspects of Magic Squares Hossein Behforooz		
T AUG 11	3	5:00	ABST	A Teaching and Learning Approach Based on Combination of Mathematics, Music and Digitally Mediated Learning Helps to Overcome Preservice Teachers Mathematical Anxiety Dawid Björkman, Alfred Landwehr Sydow, Behram Kelmendi, Sleyman Ezzo, Karin Boberg, Patrik Dinnézt, and Alla T. Alzhanova-Ericsson		
T AUG 11	4	5:15	ABST	Volumetric Golden Ratio Spiral David Koski		
T AUG 11	5	5:30	ABST	STEAMing in Early Childhood Education: Play-Based Workshops in Finnish Child Care Centers Leena Turja, Tarja Liinamaa, Mari Jatta Rissanen, Sari Lipponen and Terhi Laakso		

THE ATHENIS FINLANDIAE CULTURAL EVENT 6:00PM

Venue: Jyväskylä University of Applied Sciences, Lutakko campus, Piippukatu 2

Registration is required at the Bridges 2016 Information Desk.

More info:

<http://bridgesmathart.org/bridges-2016/2016-partner-events/the-athenis-finlandiae-cultural-event/>

Friday August 12, 2016

JYU Room 2				Morning 9:30am – 11:00am	SESSION 36	Chair: Robert W. Fathauer
F AUG 12	1	9:30	REG	Visual Arts and Mathematics Education: Looking for Integrative Phenomena Mirka Haviga and Päivi Portaankorva-Koivisto		
F AUG 12	2	10:00	REG	Koch-Like Fractal Images Vince J. Matsko		
F AUG 12	3	10:30	REG	Fractal Gaskets: Reptiles, Hamiltonian Cycles, and Spatial Development Robert W. Fathauer		

JYU Room 3				Morning 9:30am – 11:00am	SESSION 37	Chair: Gregg Helt
F AUG 12	1	9:30	SHRT	Repeating Fractal Patterns with 4-Fold Symmetry Douglas Dunham and John Shier		
F AUG 12	2	9:45	SHRT	A Rose By Any Other Name... Gregg Helt		

JYU Room4				Morning 9:30am – 11:00am	SESSION 38	Chair: Mike Naylor
F AUG 12	1	9:30	SHRT	The Hendecagonal Stars in the Alhambra Dirk Huylebrouck and Antonia Redondo		
F AUG 12	2	9:45	SHRT	Classifying Hexagonal Tilings in Islamic Architecture with a Single Numerical Parameter Peter J. Lu and Eric Broug		
F AUG 12	3	10:00	SHRT	Generalized Brunes Stars and System of Pythagorean Triples Dmitri Kozlov		
F AUG 12	4	10:15	SHRT	Extracting Unit Cells from Tilings with Color Symmetries: Case of Counterchange Patterns Venera Adanova and Sibel Tari		
F AUG 12	5	10:30	SHRT	Plane-Filling Curves on Transitive Grids Jörg Arndt and Julia Handl		
F AUG 12	6	10:45	SHRT	Knight Mazes Mike Naylor		

JYU Room 5/6/7				Morning 9:30am – 11:00am	SESSION 39	Workshop
T AUG 12	Room 5	9:30	WORK	Mathematical and Physical Properties of Rope Made for Decorative Purposes Alexander Åström and Christoffer Åström		
T AUG 12	Room 6	9:30	WORK	How to Draw Perspective Directly on a 3D Plane Tomás García Salgado		
T AUG 12	Room 7	9:30	WORK	Similarity Drawn Freehand Teresa Downard		

Coffee Break 11:00am – 11:30am

JYU Plenary Talk				Morning 11:30am – 12:30pm	SESSION 40	Chair: George Hart
F AUG 12	Aud 1	11:30	PLEN	TBA Corey Cerovsek		
F AUG 12	Aud 1	12:20	FLM	Bridges 2017 Craig S. Kaplan		

Coffee and Lunch Break 12:30pm – 2:00pm

Bridges Public Day 2:00pm – 6:00pm

Venue: Agora

Chair: Kristóf Fenyvesi

Full Program: <http://www.familyday.hu/>

JYU Room 2				Midday 2:00pm – 6:00pm
F AUG 12	1	2:00	SHOW	ROBERT BOSCH Bridges 2016 Short Movie Festival
F AUG 12	1	4:30	SHOW	Bridges 2016 Short Movie Festival
More Info: http://bridgesmathart.org/bridges-2016/2016-short-movie-festival/				

JYU Room 3				Afternoon 2:00pm – 4:00pm
F AUG 12	1	2:00	SHOW	SARAH GLAZ Poetry Afternoon
More Info: http://bridgesmathart.org/bridges-2016/2016-poetry-day/				

JYU Room 3				Afternoon 4:15pm – 6:00pm
F AUG 12	2	2:00	SHOW	2016 Mathematical Theater Hypatia's Circle Tom Petsinis
More Info: http://bridgesmathart.org/bridges-2016/2016-mathematical-theater/				

JYU				Evening 7:00pm – 7:30pm
F AUG 12	1	7:00	SHOW	<p align="center">Vivid Spirit and Tangram</p> <p align="center">Meet the mathematician and exhibitor of Vivid Spirit, Lajos Szilassi, and the inventor of 4Dframe Hogul Park and the curators of the Tangram exhibit Kertu Saks and Pirjo Vuorinen and education researcher Hannu Salmi.</p> <p align="center">Venue: Näyttelykeskus Soihtu (Soihtu Exhibition Center at University of Jyväskylä Campus) Address: Jyväskylä, Seminaarinmäki, S-rakennus (S-building)</p> <p align="center">More Info: http://bridgesmathart.org/bridges-2016/2016-additional-exhibits/istvan-orosz-lajos-szilassi-vivid-spirit/</p>

JYU				Evening 8:30pm – 10:00pm
F AUG 12	1	8:30	SHOW	<p align="center">Informal Music Night</p> <p align="center">Venue: Auditorium 1 Coordinated by Mike Naylor</p>

**Saturday August 13, 2016
Bridges Excursion Day & Music Night**

Bridges Music Night 6:30pm – 8:00pm

The program starts on Saturday, August 13 at 9:00AM with a visit to Alvar Aalto Museum, Jyväskylä. Buses are leaving from the Alvar Aalto Museum and return back to Jyväskylä by 11PM in the evening.

Ticket Price: EUR 63 per person, includes bus transportation, lunch, museum tickets, and a ticket to the evening musical concert.
Booking and payment through the on-line registration form by July 31: https://payments.jyu.fi/events/bridges_finland_2016

More Info: <http://bridgesmathart.org/bridges-2016/2016-music-night-and-excursion-day/>

Saturday, August 13, 2016
Bridges Excursion Day & Music Night
Sightseeing Tour and Concert by the Corey Cerovsek & Paavali Jumppanen Duo



On Saturday, August 13, 2016, we invite you to join us to enjoy sightseeing, culture, art and the historical architectural visit to **Alvar Aalto Museum, Jyväskylä** and on a trip to the small town of Mänttä (approximately one hour drive from Jyväskylä). This journey will include a sightseeing tour around Jyväskylä region surrounded by the beautiful lakes and the natural woodlands, including **UNESCO's World Heritage Church - the Old Church of Petäjavesi**, known as a historical masterpiece of Scandinavian architecture worldwide. The evening program includes the **Bridges 2016 Music Night programme** with an exquisite concert in **Mänttä Club house featuring Corey Cerovsek & Paavali Jumppanen**.

List of Rooms used in the Bridges 2016 conference program:

- Aud 1 = Auditorium 1
- Room 2 = Auditorium 2
- Room 3 = Auditorium 3
- Room 4 = Beeta
- Room 5 = Alfa
- Room 6 = Gamma
- Room 7 = Delta
- CLab1 (Computer Lab 1) = B211.1