

DETAILED PROGRAMME

SYMMETRY FESTIVAL 2009

Budapest University of Technology and Economics (BME)
Budapest, Hungary, 31 July – 05 August 2009

FRIDAY, 31 JULY

19.00 – 21.30	OPENING CEREMONY B55 Galéria (Gallery B55) <i>Budapest V. District, Balaton utca (Street) 2-4.</i> Opening <i>Norbert Kroó</i> <i>(Vice President, Hungarian Academy of Sciences)</i> Vernissage of the exhibition "Line - The feeling of one dimension" <i>Róbert Schiller</i> <i>(Central Research Institute for Physics, Atomic Energy Research Institute)</i> <i>Curator: Zsuzsa Dárdai</i>
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SATURDAY, 01 AUGUST

08.00 – 09.30 <i>Level B</i> <i>Aula</i>	REGISTRATION
09.00 – 10.00 <i>Level C</i> <i>Ceremony Hall</i>	PLENARY LECTURE Chair: György Darvas Symmetry as a Universal Paradigm* <i>Solomon Marcus</i>
10.00 – 11.00 <i>Level C</i> <i>Ceremony Hall</i>	"THE MORNING OF THE LANGUAGE OF GENETIC INFORMATION" KEYNOTE LECTURE Chair: György Darvas Symmetries, Generalized Numbers and Harmonic Laws in Matrix Genetics* <i>Jay Kappraff and Sergey V. Petoukhov</i>
11.00 – 11.30 <i>Level B</i> <i>Aula</i>	<i>Coffee</i>
11.30 -12.30 <i>Level C</i> <i>Ceremony Hall</i>	PLENARY LECTURE Chair: György Darvas Symmetric Phenomena on Convex Surfaces* <i>Tudor Zamfirescu</i>
12.30-13.30 <i>Level C</i> <i>Ceremony Hall</i>	REMOTE PLENARY LECTURE Chair: György Darvas The Role of Symmetry in Synergetics: Spontaneous Formation of Structures in Nature* <i>Hermann Haken</i>

* Lectures are broadcasted: <http://vod.niif.hu/player/index.php?q=live/95/1>

13.30 – 15.00	Lunch break
15.00-17.00	PARALLEL SESSIONS
Level D Room D3	<p>P1 - Cognition and Geometry <i>Chair: László Garai</i></p> <p>The Fabric of The Mind: Preferences for Symmetry Patterns in Weavers <i>Diane Humphrey and Dorothy Washburn</i></p> <p>Piaget/Symmetry/Writing <i>John Arden Hiigli</i></p> <p>Cognitive Symmetry: Illogical But Rational Biases <i>Tatsuji Takahashi, Masahiro Nakano, and Shuji Shinohara</i></p> <p>Symmetry In Silence <i>Salinee Antarasena</i></p>
Level D Room D5	<p>P2 - History of Physics and Astronomy <i>Chair: Michel Petitjean</i></p> <p>Symmetries from Minimizing "Travel" Time: Reflections with Planets <i>Laurence I. Gould</i></p> <p>The Essence of Symmetry in Physics-Like Science <i>Peeter Müürsepp</i></p> <p>How to Present the Heart of Newton's Principia to the Layperson: A Primer on the Conic Sections without Apollonius of Perga <i>Takeshi Sugimoto</i></p> <p>Principle of Symmetry in Course of History of Physics <i>Svitlana Gapochenko</i></p>
Level D Room D4	<p>P3 - Symmetries in the Genetic Information <i>Chair: Raisa Szabo</i></p> <p>Symmetry in Genomics <i>Paul Dan Cristea</i></p> <p>A Taylor-Made Arithmetic Model of the Genetic Code and Applications <i>Tidjani Négadi</i></p> <p>Secondary Structure of Proteins in Term of The Internal Structure of Their Tripeptides <i>Raisa Szabo and Matthew He</i></p> <p>Poster Discussion</p>
17.00 – 17.30 Level B Aula	Coffee

17.30-19.30	PARALLEL SESSIONS
<i>Level D Room D3</i>	<p>P4 - Geometry I. <i>Chair: David McCooey</i></p> <p>Highly Symmetric Tensegrity Structures <i>Robert Connelly</i></p> <p>Symmetric Configurations and the Different Levels of their Symmetry <i>Gábor Gévay</i></p> <p>Regular Toroids with Hexagonal Faces <i>Lajos Szilassi</i></p> <p>Celtic Key Patterns <i>Paul Gailiunas</i></p>
<i>Level D Room D5</i>	<p>P5 - Semiotics of Symbols and Text Analysis <i>Chair: András Sebestyén Szöllősy</i></p> <p>Some Aspects of Symmetry and Dissymmetry in Literary Texts <i>Tatiana Bonch-Osmolovskaya</i></p> <p>Modeling of Figure-Background Relationships in Literature <i>Eugene S. Kitamura and Yukio-Pegio Gunji</i></p> <p>Semiotic Symmetries as Core of an Empirical Aesthetic Theory Based on Decentering and Gestalt Integration <i>Klaus Schwarzfischer</i></p> <p>Japanese Traditional Patterns in the Field of "Ukiyoe", Family Crests and Mathematics <i>Tsutomu Oguni and Eiko Kobayashi</i></p>
<i>Level D Room D4</i>	<p>P6 - Symmetries in Non-Euclidean Geometries I. <i>Chair: Dmitry Pavlov</i></p> <p>Symmetries and Geometric Invariants <i>Dmitry Pavlov</i></p> <p>Fundamental Symmetry and Binary Geometrophysics <i>Yuri S. Vladimirov</i></p> <p>On the Finslerian 3-Spinor Wave Equations <i>Anton.V. Solovyov</i></p> <p>Numerical Multilinear Algebra of Symmetric M-Root Structures Spectral Properties and Applications <i>Vladimir Balan</i></p>

SUNDAY, 02 AUGUST

<p>09.00 – 10.00 Level C Ceremony Hall</p>	<p>“THE MORNING OF PHYSICS” KEYNOTE LECTURE Chair: <i>Norbert Kroó</i></p> <p>Accidental Symmetry* <i>Steven Weinberg (Honored with Nobel Prize in Physics in 1979)</i> <i>The Speaker is Introduced by Norbert Kroó (Vice President, Hungarian Academy of Sciences)</i></p>
<p>10.00 – 11.00 Level C Ceremony Hall</p>	<p>PLENARY LECTURE Chair: <i>Martha Pardavi-Horvath</i></p> <p>Abdus Salam and the History of Gauge Symmetry, as a Fundamental Hidden Treasure of Nature* <i>Tibor Toró</i></p>
<p>11.00 – 11.30 Level C</p>	<p><i>Coffee</i></p>
<p>11.30 – 12.30 Level C Ceremony Hall</p>	<p>PLENARY LECTURE Chair: <i>Martha Pardavi-Horvath</i></p> <p>Matter and Antimatter* <i>Dezső Horváth</i></p>
<p>12.30 – 14.00</p>	<p><i>Lunch break</i></p>
<p>14.00 – 16.00</p>	<p>PARALLEL SESSIONS</p>
<p>Level C Ceremony Hall</p>	<p>P7 - History of Culture and Ethnomathematics Chair: <i>Szaniszló Bérczi</i></p> <p>Ancient Harmonic Law <i>Jay Kappraff</i></p> <p>Symmetry in the History of Science, Art and Technology: Concepts and Contribution of Ancient India <i>Kottapali S. Murty</i></p> <p>Teaching Symmetry Using Ancient Javanese Batik Patterns <i>Annegret Haake and Haryani Winotosastro</i></p> <p>Constructing Symmetric Chokwe Sand Drawings <i>Darrah Chavey</i></p>
<p>Level D Room D5</p>	<p>P8 - Physics and Technology I. Chair: <i>Ferenc Vidor</i></p> <p>Shape Optimization in Engineering Design and Evolution: Is Symmetry Superior or Not? <i>Péter L. Várkonyi, Gábor Domonkos</i></p> <p>Shift Symmetry and The Duality of Curve-Surface: Mechanics on Surface and Mechanics of Surface <i>Géza Lámer</i></p> <p>Architectural Symmetry of Paris Observatory <i>Suzanne Débarbat</i></p> <p>Participation of Man in Process of Scientific Cognition of Nature and Traces of this Participation in Results of the Process – Scientific Theories <i>Igor Lizin</i></p>

* Lectures are broadcasted: <http://vod.niif.hu/player/index.php?q=live/95/1>

Level D Room D4	<p>P9 - Symmetries in Non-Euclidian Geometries II. <i>Chair: István Lénárt</i></p> <p>Symmetries in the 8 homogeneous 3-geometries <i>Emil Molnár and Jenő Szirmai</i></p> <p>Dynamic Visualization of Planar Hyperbolic Symmetry via Klein Model <i>David E. Flesner</i></p> <p>Point or Line? Both! On a New World of Geometry <i>István Lénárt</i></p> <p>The Interplay Between Hyperbolic Symmetry And History <i>Douglas Dunham</i></p>
16.00 – 16.30 Level C	<i>Coffee</i>
16.30 – 17.30	PARALLEL SESSIONS
Level C Ceremony Hall	<p>P10 - Symmetries in Islamic Art <i>Chair: Szaniszló Bérczi</i></p> <p>Islamic Girih Tiles in their Own Right as a History Lesson and Design Exercise in the Classroom <i>Robert Earl Dewar</i></p> <p>Dissymmetry, Antisymmetry, Asymmetry and Quasicrystals in Islamic Architecture <i>Saeid Alitajer, Mehdi Damali Amir and Mehrdad Garousi</i></p>
Level D Room D5	<p>P11 – Physics and Technology II. <i>Chair: Ferenc Vidor</i></p> <p>The Growth Arrow <i>Marina V. Voinova</i></p> <p>Symmetries of Form Representation by Multifocal Lemniscates <i>Tatjana Rakcheeva</i></p>
Level D Room D4	<p>P12 – Symmetries in Non-Euclidian Geometries III. Logical Approaches to Applications in Relativity Theories <i>Chair: Emil Molnár</i></p> <p>Symmetry Axioms in Relativity Theories <i>Gergely Székely</i></p> <p>Relativistic and Newtonian Dynamics in First-Order Logic <i>Judit X. Madarász</i></p>
19.00 – 20.30	<p>ART PROGRAMME in “Gödör Klub” Cultural Centre and Park <i>Budapest, V. District, Erzsébet tér (square)</i></p> <p>Palindrome Inter.media Performance Group</p>

MONDAY, 03 AUGUST

<p>09.00 – 10.00 Level C Ceremony Hall</p>	<p>“THE MORNING OF THE ORIGINS OF LIFE” KEYNOTE LECTURE <i>Chair: Robert Glaser</i></p> <p>Symmetry, Entropy and Information Capacity in Chiral Solutions* <i>Meir Shinitzky</i></p>
<p>10.00 – 11.00 Level C Ceremony Hall</p>	<p>PLENARY LECTURE <i>Chair: Robert Glaser</i></p> <p>Deviation from Identity of Macroscopic Properties of Macroscopic Properties of Enantiomers* <i>Josef Scolnik, U. Cogan, D. Deamer and Meir Shinitzky</i></p>
<p>11.00 – 11.30 Level C</p>	<p>Coffee</p>
<p>11.30 – 12.30 Level C Ceremony Hall</p>	<p>PLENARY LECTURE <i>Chair: Robert Glaser</i></p> <p>Water, Energy and Life: Fresh Views from the Water’s Edge* <i>Gerald Pollack</i></p>
<p>12.30 – 14.00</p>	<p>Lunch break</p>
<p>14.15 – 14.30 Level C Room C6/A</p>	<p>OPENING OF THE ORIGAMI EXHIBITION</p>
<p>14.30 – 16.00 Level C Ceremony Hall</p>	<p>PLENARY PANEL DISCUSSION: “The State of the Art of Interdisciplinary Symmetry Studies” <i>Chair: György Darvas</i></p>
<p>16.00 – 16.30 Level C</p>	<p>Coffee</p>
<p>16.30 – 18.30</p>	<p>PARALLEL SESSIONS</p>
<p>Level C Ceremony Hall</p>	<p>P13 – Symmetries in the Natural Sciences and Aspects of Chirality <i>Chair: Meir Shinitzky</i></p> <p>Philosophical Aspects of Time Operators in Quantum Mechanics <i>Asao Arai</i></p> <p>“What Something is Depends on Where You Put It”- The Effect of Environment on Molecular Structure <i>Robert Glaser and A. Steinberg</i></p> <p>Chirality in Non-Euclidean Spaces <i>Michel Petitjean</i></p> <p>Chiral Symmetries of Quaternions <i>Vladimir V. Smolyaninov</i></p>

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<p>Level D Room D5</p>	<p>P14 – Origami <i>Chair: Mariann Villányi</i></p> <p>Collapsible Origami: Symmetry and Asymmetry <i>Saadya Sternberg</i></p> <p>Where Is a Polyhedron? About Symmetry in Origami Models <i>Krystyna Burczyk, Wojciech Burczyk</i></p> <p>Folded / Crumpled Models - Evolution and Perspectives <i>Vincent Floderer, Alain Giacomini, Alexis Mérat</i></p> <p>Symmetry Breaking in Recurrent Origami <i>Philip Van Loocke</i></p>
<p>Level D Room D4</p>	<p>P15 – Symmetry in Art History <i>Chair: Tatiana Yu. Degtyareva</i></p> <p>The Garden of Morphological Symmetry <i>Manuel A. Báez</i></p> <p>Towards a Topological Theory of Pictorial Tropes: A Study of Compositional Phenomena in Western Art Using Geometric Models Evident in Nature <i>Tatiana Yu. Degtyareva</i></p> <p>Mathematical Elements in the Work of Dóra Maurer <i>Judit Király</i></p> <p>From Concept to Visual Image: Anton Stankowski as Fractal Graphic Designer <i>Vladimir Shlyk</i></p>
<p>19.00 – 21.00</p>	<p>ART PROGRAMME in “Fény Galéria” (Gallery Fény) <i>Budapest II. District, Moszkva tér (square) 3, 1st Floor 11.</i></p> <p>Vernissage of the Graphics Exhibition “Line – Beyond One Dimension”</p>

TUESDAY, 04 AUGUST

<p>09.00 – 10.00 Level C Ceremony Hall</p>	<p>“THE MORNING OF MOLECULES AND CRYSTALS” PLENARY LECTURE Chair: Larry Gould</p> <p>Molecules: Tiny Objects Linking Arts and Sciences* Gábor Náray-Szabó</p>
<p>10.00 – 11.00 Level C Ceremony Hall</p>	<p>PLENARY LECTURE Chair: Larry Gould</p> <p>On the Isostructurality of Semirigid Molecules Linked by Non-crystallographic Rearrangements (Morphotropism)* Alajos Kálmán</p>
<p>11.00 – 11.30 Level C</p>	<p>Coffee</p>
<p>11.30 – 12.30 Level D SCENE Theatre</p>	<p>KEYNOTE LECTURE Chair: Larry Gould</p> <p>Symmetry in Art, Music and Science Theo Hahn Accompanied by piano – Tatiana Bonch-Osmolovskaya</p>
<p>12.30 – 14.00</p>	<p>Lunch break</p>
<p>14.00 – 15.00 Level C Ceremony Hall</p>	<p>ISA General Assembly</p>
<p>15.00 – 16.00 Level C Ceremony Hall</p>	<p>PLENARY LECTURE Chair: György Darvas</p> <p>Beyond the Symmetries of Things* (Remote Plenary Lecture projected via internet) Chaim Goodman–Strauss</p>
<p>17.15 – 20.15</p>	<p>OPEN AIR CULTURAL PROGRAMME in Szentendre**</p> <p>Sightseeing at Szentendre</p>
<p>18.30 – 20.15</p>	<p>Farewell dinner at Bárczy Fogadó Szentendre, Bogdányi utca (street) 30</p>
<p>20.30 – 21.30</p>	<p>ART PROGRAMME at ArtMill in Szentendre Szentendre, Bogdányi utca (street) 32</p> <p>- "Futurdadama" by Spiritus Noister</p>

* Lectures are broadcasted: <http://vod.niif.hu/player/index.php?q=live/95/1>

** Special buses are provided to Szentendre at 16.15 from the Budapest University of Technology and Economics (BME) and back.

WEDNESDAY, 05 AUGUST

<p>09.00 – 11.00</p>	<p>PARALLEL SESSIONS</p>
<p><i>Level D Room D3</i> 09.00 – 09.30</p> <p>09.30 – 10.00</p> <p>10.00 – 11.00</p>	<p>Round Table Discussions</p> <p><i>Chair: Tatiana Bonch-Osmolovskaya</i> Discussion on the Effectiveness of Mathematics in Symmetrology and its Roots in Ancient Greek Culture, Interaction of Sciences and Humanities</p> <p><i>Chair: Sergey Petoukhov</i> Discussion on the Approaches of Symmetrology to the Analysis of Models in Biomechanics, Bioinformatics and in the Theory of Self-organising Systems</p> <p>P16 – History of Culture and Ethnomathematics <i>Chair: Szaniszló Bérczi</i></p> <p>New Curie-type and Coxeter-type Composite and Colored Plane Symmetry Patterns in the Ancient Arts of Eurasia <i>Szaniszló Bérczi</i></p> <p>Face of God on the Hungarian Ornament <i>Csaba Hegyi</i></p>
<p><i>Level D Room D5</i></p>	<p>P17 - Geometry II. <i>Chair: Robert Connelly</i></p> <p>Assembling Polyhedral Structures from EPS Blocks <i>Sándor Kabai</i></p> <p>Space-Filling Mosaics and (Animated) Plane-Tiling Patterns <i>László Vörös</i></p> <p>Fundamental Domains of Some Recently Discovered Space-fillers <i>Dániel Erdély</i></p> <p>Non-flat Tilings with Flat Tiles <i>R. Roelofs</i></p>
<p><i>Level D Room D4</i></p>	<p>P18 - Symmetries in Non-Euclidian Geometries IV. <i>Chair: Sergey Lebedev</i></p> <p><i>Finslerian Spinors in the Relational Approach in Physics</i> <i>Sergey.V. Bolokhov</i></p> <p><i>The Relict Radiation Anisotropy and the 4D Finsler Space with the Berwald-Moore Metric</i> <i>Dmitry Pavlov, Grigory Garasko, Sergey Lebedev</i></p> <p><i>Classifying of Cubic Homogeneous 3-Dimensional Forms of General Affine Type by their Isometries</i> <i>Sergey Kokarev</i></p> <p><i>The Self-Efficiency Property of the Finsler Spaces</i> <i>Grigory Garasko</i></p>
<p>11.00 – 11.30 <i>Level C</i></p>	<p style="text-align: center;"><i>Coffee</i></p>

11.30 – 13.30	PARALLEL SESSIONS
<i>Level D Room D3</i>	<p>P19 - Symmetries in the Arts <i>Chair: Robert Dewar</i></p> <p>How Music Evokes Emotions <i>Igor Yevin and Alexander Koblyakov</i></p> <p>Symmetry and Asymmetry: Artists and Scientists Walking Hand in Hand <i>Matjuska Teja Krasek</i></p> <p>Woven Rosette-Ornaments <i>Attila Bölcskei</i></p> <p>Knot-Magic <i>Tamás F. Farkas</i></p> <p>Self-strained Constructions (Minimization, Transformation, Form Shaping) <i>Viacheslav Koleychuk</i></p>
<i>Level D Room D5</i>	<p>Geometrical Workshops</p> <p>Fold your Own Polyhedron Model under the Instructions of M. Wenninger! <i>Conducted by Sándor Kabai and Ferenc Holló-Szabó</i></p> <p>Make Acquainted with Spidron- and Sphidron-Models of D. Erdély in Practice! <i>Conducted by Dániel Erdély</i></p> <p>Practice with the Lénárt Spheres! <i>Conducted by István Lénárt</i></p>
<i>Level D Room D4</i>	<p>P20 - Symmetries in Non-Euclidian Geometries V. <i>Chair: Jury Sergeevich Vladimirov</i></p> <p>Symmetry and Elementary Relations <i>Victor A. Panchelyuga</i></p> <p>Configuratrix and Resultant <i>Nikolai S. Perminov</i></p> <p>Algorithm of the Analysis for Revealing Mutual Influences of Geometry of Structures on Various Symmetry of Scaling <i>Nina Y. Svetova</i></p> <p>Principle of Symmetry and Conception of the Intercultural Communication <i>Tatyana E. Vladimirova</i></p>
13.30 – 15.00	<i>Lunch break</i>

15.00 – 17.00	PARALLEL SESSIONS
<i>Level D Room D3</i>	<p>P21 - Symmetries in Design and Arts <i>Chair: Robert Dewar</i></p> <p>Gestalt Theory, Complex Forms and Avant-Garde Art: Rethinking the Concept of Order In Post-War Aesthetic Discourses on Proportion <i>Assimina Kaniari</i></p> <p>Form Study in Education <i>Balogh Zsolt Péter</i></p> <p>Design Education <i>Y. Vasserchuk – F. Seeler</i></p> <p>Metasystem Approach In Musicology <i>Alexander Koblyakov</i></p>
<i>Level D Room D5</i>	<p>P22 – Geometry III. <i>Chair: Gábor Gévay</i></p> <p>Transitions in Dynamic Wallpaper Patterns <i>Richard J. Morris</i></p> <p>A Non-Self-Intersecting Polyhedral Realization of the All-Heptagon Klein Map <i>David I. McCooey</i></p>
<i>Level D Room D4</i>	<p>P23 – Mathematical and Computing Approaches <i>Chair: Vladimir Shlyk</i></p> <p>Several Symmetry Properties of Neural Computer <i>I.V. Stepanian</i></p> <p>Symmetry in Fibonacci Numbers <i>Micah Edge</i></p> <p>Design of a System of Teaching Elements of Groups Theory <i>Ildar Safuanov</i></p>
<i>17.00 – 17.30 Level C</i>	<i>Goodbye Coffee</i>
17.30 –18.30 <i>Level D Room D3</i>	<p>CLOSING PLENARY SESSION <i>Chair: György Darvas</i></p>

POSTERS

Matrix of Complementarity for Metagenetic

Kamil Bakhtiyarov

Annemarie Kreibich's "Geometry around Eggs"

Annegret Haake – Annemarie Kreibich

Symmetries in Matrix Genetics and Hadamard Matrices of The Genetic Code

M. X. He and Sergey V. Petoukhov

Analyzing the plane symmetry of Ottoman (ceramic) tiles as an architectural element between the 15th & 16th century

Ferhan Kiziltepe

The Role of Symmetry in Increasing Reliability of Electrohydraulic Servo Drives

Valeriy Moskvina and Olga Petoukhova

Symmetrical and Algebraic Properties of Matrices of the Genetic Code at Cyclic Shifts in Sets of Genetic Elements

Sergey V. Petoukhov – Dinar Katanov

Use of Properties of Symmetry at Processing On Metal-Cutting Machine Tools

Vladimir A. Utenkov, V.S. Ivanov, D.V. Ivanov and Sergey V. Petoukhov

Visualization of Hidden Symmetries of Protein Sequences

Omid Tavassoly, Sergey V. Petoukhov, Shahrzad Vahedi

EXHIBITORS

Manuel A. Báez

Dániel Erdély

Tamás F. Farkas

John Arden Hiigli

Sándor Kabai

Matjuska Teja Krasek

Philip Van Looche

Origamists:

Peter Budai

Krystyna Burczyk

Wojciech Burczyk

Vincent Floderer

Alain Giacomini

Christiane Bettens Mélisande

Alexis Mérat

Endre Somos

Saadya Sternberg

ART PROGRAMMES

CURATOR and ART DIRECTOR

Zsuzsa Dárdai
International Mobil MADi Museum Foundation

MAIN THEME:

LINE
the feeling of one dimension

*geometric arts
from constructivism up to now*

LINE – THE FEELING OF ONE DIMENSION

'If you ask no questions, you cannot receive answers'

The exhibition 'Line – The Feeling of One Dimension' does ask questions.

It inquires whether it is possible to join 'the line', the most elemental and abstract instrument of art and 'the one dimension' as scientific fundamentals, by means of the mental, poetic and artistic freedom of 'sense', an unidentifiable concept.

According to its concept, the exhibition attempts to cross the border between 'nothing' and one dimension, as well as between 'everything' and one dimension, thus going beyond the simple use of the line. In this case the line is not the instrument of circumscribing a flat shape or making the illusion of space, etc. on the way between one dimension and the other dimensions; it is a goal – the goal of seeing how the artists approach one dimension from the zero point or infinite dimensional world by the means of geometric art.

The exhibition is part of the stream of thoughts that for decades has regularly dealt with analysing the similarities and differences of scientific and artistic cognition, of creation and practice.

Several artistic trends appearing since the 1910s and having an impact even today are based on geometry.

The exhibition series, created as the sequel of the *supreMADi*sm festival and symmetry conference (Moscow 2006), nests in geometric art spanning the period from Russian constructivism to our days, thus emphasising that geometric art (as a collective term) has an unbroken continuity from its appearance to the present.

Straight lines running towards infinity symbolise the dynamism in art's development, its unended history, the incompleteness of the process. The aim of the exhibiton is to show the versatility and wide variety of the representations produced in the above mentioned development process through the works of art of the artists invited to the event, to show that the works of art made in plane and space can express and generate the feeling of 'one dimension', the feeling of focusing.

Even the social movements of the second half of the twentieth century were affected by the feeling of 'being one dimensional'.

Philosopher and political activist Herbert Marcuse won world fame with his theory in the 1960s. He directed criticism at one-dimensional societies, contemporary capitalist and state socialist regimes. The concept of the Great Refusal cemented his reputation as theoretician of liberation from affluent society.

Slovak artist Marian Drugda joined one-dimensional social criticism with a barcode picture having a Bauhaus reference. A barcode is a means of identification consisting of monochrome, multicoloured or invisible lines (bars) and spacings of different widths. Its encoded binary image and text content can be read and decoded with a suitable instrument. In Hungary the one dimensional bar code with a data storing capacity of several hundred characters appeared at the end of the 1980s. Today even the simplest item has a barcode on it and our everyday life is infiltrated with barcodes.

Some say it is not the number of dimensions that qualifies the meaning of our existence, since one cannot have more than three, but how far you can get within the given framework. Now let us see within what framework the chosen artists have worked and how far they have come.

(Zsuzsa Dárdai)

EXHIBITIONS

LINE - the feeling of one dimension

(International Exhibition of Geometric Arts)

B55 Galéria (Gallery B55)

Budapest, V. District, Balaton utca (Street) 4.

Opens: Róbert Schiller

Curator and conception: Zsuzsa Dárdai

Opening: 19.00, Friday, 31 July 2009

Exhibiting artists: Eduard Antal (SK), Carmelo Arden Quin (ROU), Barna Benedek (H), Bolívar (ROU), Claude Bourguignon (F), Catherine Bürki (F), Giancarlo Caporicci (I), Carlos Cruz-Diez (V), Dániel Erdély (H), Gábor Erdélyi (H), Mikael Fagerland (S), Lars Erik Falk (S), János Fajó (H), Tibor Gáyor (H), István Halmi-Horváth (H), Peter Hankel (D), László Herczegh (H), John Arden Hiigli (USA), László Horváth (H), Viktor Hulík (SK), Norbert Huwer (D), Attila Joláthy (H), Tamás Jovánovics (H), Roland de Jong-Orlando (NL), Anneke Klein Kranenburg (NL), Vjacseszlav Koleychuk (RUS), Tamás Konok (H), Tamás László Kovács (H), Matjuska Teja Krsek (SLO), Jaido Marinho (BR), Vincenzo Mascia (I), Giuseppe Minoretti (I), Vera Molnár (F), László Otto (H), Claude Pasquet (F), Balázs Pataki (H), Gaetano Pinna (I), Axel Rohlf (D), János Saxon Szász (H), Rino Sernaglia (I), Victor Vasarely (F), Jean-Pierre Viot (F), András Wolsky (H), Paola Zorzi (I)

LINE - beyond one dimension

(Graphics exhibition of the Symmetry Festival 2009)

"Fény Galéria" (Gallery Fény)

Budapest, II. District, Moszkva tér (Square) 3.

Curator, conception and opens: Zsuzsa Dárdai

Opening: 19.00, Monday, 3 August 2009

Exhibiting artists: Timo Aalto (SF), Getulio Alviani (I), Stefan Belohradsky (SK), Max Bill (CH), Inge Büthner (D), Milan Dobes (SK), Marian Drugda (SK), János Fajó (H), Karl Gerstner (CH), Ingo Glass (D), Hantala (SF), Eric Hauser (D), András Heim (RO), Helmut Bohm (A), Anna Horváth (H), Attila Joláthy (H), Imre Kocsis (D), István Komlódi (H), Matti Koskela (SF), Tamás László Kovács (H), Ferenc Lantos (H), Guido Lippens (I), Bence Marafkó (H), András Mengyán (H), R. Nozzolen (I), Balázs Pataki (H), Mandula Péli (H), Albert Rubens (B), János Saxon Szász (H), Jacques Weyer (F).

Art exhibition related to the themes of the scientific programs

Budapest University of Technology and Economics (BME)

Budapest, XI. District, Műegyetem rakpart (quay) 3-9, Bldg. K, Level C, Room C6/A

Open: 2-5 August 2009

Origami Exhibition

Budapest University of Technology and Economics (BME)

Budapest, XI. District, Műegyetem rakpart (quay) 3-9, Bldg. K, Level C, Room C6/A

Opens: Mariann Villányi

Opening: 14.15, Monday, 3 August 2009

Force Lines

Vincenzo Mascia and Gaetano Pinna

MTA-MADI Gallery

Győr, Liszt F. utca (Street) 10.

Open: 28 May – 4 September 2009

PERFORMANCES

Palindrome Intermedia Performance Group (Stuttgart, Germany)
Synesthesia - 5'er workshop - Virus Dance

19.00-20.00, Sunday, 2 August 2009
"Gödör Klub" Cultural Centre and Park
Budapest, V. District, Erzsébet tér (Square)

Palindrome Intermedia Performance Group (Stuttgart), combines science and technology with dance. They are known for their work with interactive dance technology -- bio-sensors and motion tracking technology that the music, lighting or video projections be controlled by the dancers' movement.

Read more: <http://www.palindrome.de/>

"Futurdadama"

K. Ladik, Zs. Kovács, Zs. Sőrés, E. Szkárosi: Spiritus Noister (Budapest, Hungary)

20.30-21.30, Tuesday, 4 August 2009
ArtMill, Szentendre
Szentendre, Bogdányi utca (street) 32

The internationally acknowledged Hungarian artists, Katalin Ladik, Zsolt Kovács, Zsolt Sőrés and Endre Szkárosi who have been working together since 1994 in **Spiritus Noister formation** (Budapest) have released a new work of the Hungarian avant-garde.

The basic novelty in Spiritus Noister's current project is breaking away from the merely declamative and monological interpretation of the work: alternative meanings of Ursonate are reconsidered in a complex musical and vocal space. Staying true to the letter and spirit of the original work (...) the group adapts an entirely new approach utilizing a contemporary sound arsenal. An original and contemporary account of this great work has been developed from the wealth of possible interactions among the two sound poets and the two instrumental musicians contributing to the project.

The performance is dedicated to the 100th anniversary of the birth of futurism (and the soon later dada), combining visual arts with literature-poetry, sound, theatre.

Read more: <http://www.asa.de/topical/ursonate/index.htm>