



2010 Bridges Pécs

Mathematics, Music, Art, Architecture, Culture

The Honorary Speakers

László Lovász, the Hungarian mathematician from Budapest, the recipient of the Wolf Prize, the John von Neumann Theory Prize, the Bolyai Prize, the Széchenyi Grand Prize, the Gödel Prize, and the Kyoto Prize, will open the 2010 Bridges Pecs Conference as the First Plenary Speaker!

Erno Rubik, the world-known Hungarian architect and professor from Budapest will talk in a special session about one of the best known puzzles of all time, Rubik's Cube, and many more of his inventions!



The Hungarian Day Speakers



György Darvas

The Scientific Co-Organizer of the 2010 Bridges Pécs
Institute for Research of the Hungarian Academy of Sciences

Director of SYMMETRION

Department of History and Philosophy of Science

Eötvös Loránd University

Budapest, Hungary

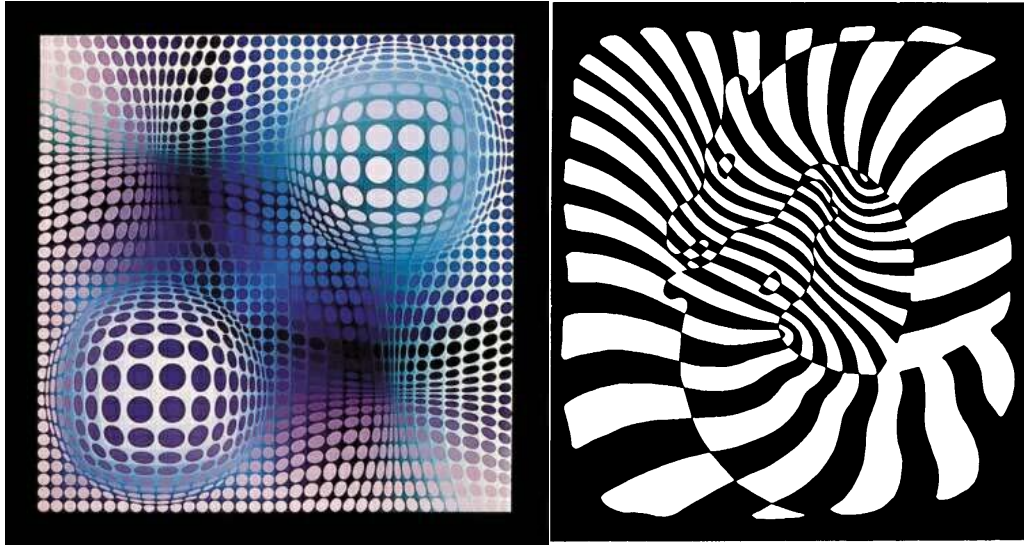


István Lénárt

Inventor of the Lénárt Sphere geometry construction

Eötvös Loránd University

Budapest, Hungary



Vasarely's Work– Invitation to Mathematical and Combinatorial Visual Game

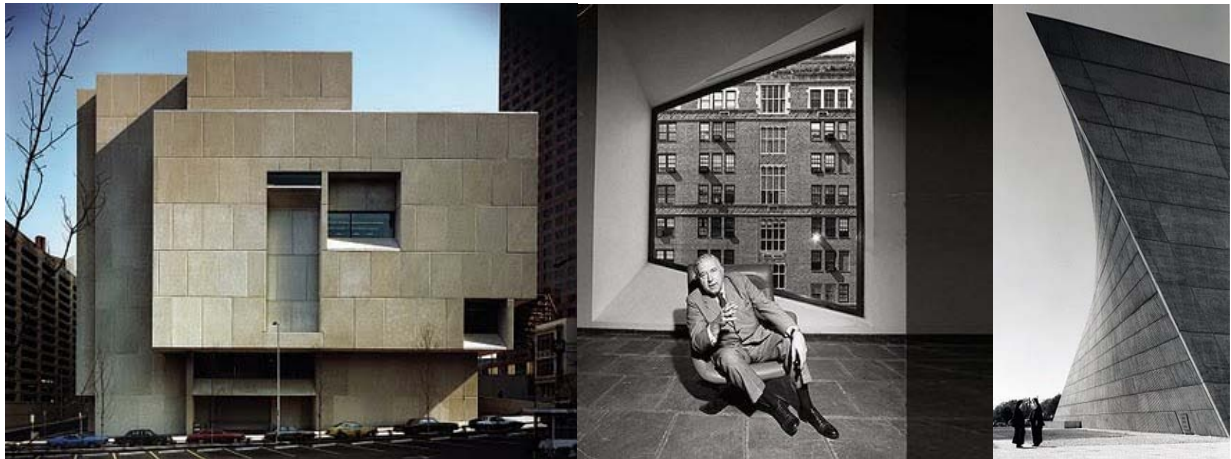
Slavik Jablan

Advisory Board of ISIS-Symmetry

Professor of Geometry at the University of Nish

Mathematical Institute

Belgrade, Yugoslavia



Early Modern Art Layouts in Breuer's Design

Devrim Isikkaya

Faculty of Architecture and Design

Bahçeşehir University

Istanbul, Turkey



Antal Kelle
Artformer
Designer and Mechanical Engineer
Budaörs, Hungary



István Orosz
Hungarian painter, printmaker, graphic designer and animated film director, is known for his mathematically inspired works, impossible objects, optical illusions, double-meaning images and anamorphoses. The geometric art of István Orosz, with surprising perspectives and optical illusions, has been compared to works by M. C. Escher.

The Music Night Speaker and Composer

Dmitri Tymoczko
Music Department
Princeton University, USA



Dmitri Tymoczko (Princeton University) Composer and Music Theorist. His article "The Geometry of Musical Chords" was the first music theory article ever published by *Science*. Recipient of Guggenheim Fellowship, Charles Ives Scholarship, Hugh F. MacColl Prize from Harvard University, and the Eisner & Delorenzo Prize from the UC, Berkeley.

Other Plenary Speakers

Julian Voss-Andreae



Julian Voss-Andreae is a German-born sculptor based in Portland (Oregon). Starting out as a painter he later changed course and studied physics at the universities of Berlin, Edinburgh and Vienna. Voss-Andreae pursued his graduate research in quantum physics, participating in a seminal experiment demonstrating quantum behavior for the largest objects thus far. He moved to the U.S. in 2000 with his passion for art rekindled and graduated from Art College in 2004. Voss-Andreae's work has quickly gained critical attention. His sculpture is heavily influenced by his background in science, capturing the attention of multiple institutions and collectors in the U.S and abroad, including recent commissions for a large-scale outdoor piece for the Scripps Research Institute in Florida and a sculpture for Nobel laureate Roderick MacKinnon at Rockefeller University in New York City. Voss-Andreae's work has been featured in several publications, including *Nature* and *Science*, the two world's leading science journals.

Angela Vierling-Claassen
Division of Natural Sciences and Mathematics
Lesley University
Cambridge, Massachusetts



Angela Vierling-Claassen is an assistant professor of Mathematics at Lesley University. Her research interests include applying game theory to family dynamics and understanding how adults use math in the "real world."

Angela Vierling-Claassen will talk about the models of surfaces and Abstract Art in the early 20th century

Penousal Machado

The Scientific Co-Organizer of the 2011 Bridges Coimbra
CISUC, Department of Informatics Engineering
University of Coimbra
Coimbra, Portugal



Penousal Machado, in his presentation “**Expressions, Assemblages and Grammars**” makes an overview of some of the Evolutionary Art projects he has been involved during the past thirteen years.