

SHORT REPORT
ABOUT THE CONFERENCE
“SYMMETRY, STRUCTURE AND INFORMATION”

Symmetry, Structure and Information is the Conference of the International Society for the Interdisciplinary Study of Symmetry at the 2021 Summit of the International Society for the Study of Information. The online conference was held between Sept 13th, 2021 and Sept 15th, 2021.



Organizing Committee

Co-Chairs of the Conference Symmetry, Structure and Information and the 2021 Summit Organizing Committee:

- Dénes NAGY (President of the International Society for the Interdisciplinary Study of Symmetry, Hungary and Australia),
- Marcin SCHROEDER (Tohoku University, Japan)
- Vera VIANA (Faculty of Architecture, University of Porto, Portugal)

Members:

- Rima AJLOUNI (School of Architecture, University of Utah, USA)

- Jean-Yves BÉZIAU (University of Brazil, Rio de Janeiro, Brazil)
- Ferenc FRIEDLER (Széchenyi István University, Győr, Hungary)
- Ted GORANSON (The Australian National University, Australia)
- Ioannis VANDOULAKIS (School of Humanities, Hellenic Open University, Greece)
- Takashi YOSHINO (Department of Mechanical Engineering, Toyo University, Japan)

The program

NON-PLenary SESSION 01

Monday, September 13

07:30 AM to 11:30 AM UTC

Takashi YOSHINO:

TILINGS FOR CONJOINED ORIGAMI CRANES USING LESS SYMMETRIC QUADRILATERALS,

Akio HIZUME:

DEMONSTRATION OF THE CONEPASS TO CONSTRUCT THE GOLDEN ANGLE

Marina ZAGIDULLINA

ARTISTIC INTUITION: HOW SYMMETRY, STRUCTURE AND IN-

FORMATION CAN COLLIDE IN
ABSTRACT PAINTING

Sreeya GHOSH, Paul SANDIP and
Chanda BHABATOSH:
FRACTAL-LIKE STRUCTURES IN
INDIAN TEMPLES

Takashi YOSHINO:
INNER ANGLES OF TRIANGLES IN
PARAMETER SPACES OF
PROBABILITY DISTRIBUTIONS

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PLENARY SESSION
Tuesday, September 14
04:00 AM to 07:00 AM UTC

INVITED LECTURE
04:00 – 05:00 UTC

Peter Z. REVESZ:
THE DEVELOPMENT AND ROLE
OF SYMMETRY IN ANCIENT
SCRIPTS

ENANTIOMORPHIC TALKS ON
SYMMETRY
05:00 – 06:00 UTC
Dénes NAGY:
SYMMETRY AND INFORMATION:
AN ODD COUPLE (?),

Marcin J. SCHROEDER:
ANTINOMIES OF SYMMETRY AND
INFORMATION

PANEL DISCUSSION | 06:00 – 07:00
UTC

Moderators: Dénes NAGY and Marcin J.
SCHROEDER

Panelists: Ted GORANSON, Peter
REVESZ, Vera VIANA, and Takashi
YOSHINO

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NON-PLENARY SESSION 02
Tuesday, September 14
07:30 AM to 11:30 AM UTC

Juan Manuel Villa CARRERO, Ismael
Humberto García PÁEZ and Maria
Camila ARAQUE:
GROWN MATTER DESIGN, SYM-
METRY, STRUCTURE, and IN-
FORMATION

Janusz REBIELAK:
NUMERICAL TOOLS IN DESIGN
PROCESSES OF VARIOUS TYPES OF
SPATIAL STRUCTURES

Michael SELZER:
“CONVENIRENT...EXACTISSIME”:
FOR EMPIRICAL RIGOR IN THE
APPLICATION OF THE CONCEPT
OF (BILATERAL) SYMMETRY

Patricia MUÑOZ:
BREAKING SYMMETRY AND IN-
FORMATION IN DESIGN

Carol BIER:
PATTERNS IN ORIENTAL CAR-
PETS: SYMMETRY, STRUCTURE,
AND KNOWLEDGE

Oksana CHERKASHINA:
LOGICAL POLYGON AS A TOOL
FOR PHILOSOPHICAL REASON-
ING: ONE QUESTION ON INTRO-
SPECTION

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NON-PLenary SESSION 03

Wednesday, September 15

07:30 AM to 11:30 AM UTC

Ted GORANSON:
FUTURE ETHNOMATHEMATICS
FOR A 'NEW BLETCHLEY'

Michael BURT & Yehiel ROSENFELD:
'THE OLYMPIC FLOTILLA': FLOAT-
ING-TRANSPORTABLE ARRAY OF
'MEGA EVENTS' FACILITIES FOR
RENT

Eugene A. KATZ:
ROMAN COSMATESCO: SYMMETRY
UNDERFOOT

Ferenc MEZŐ and Katalin MEZŐ:
INTERACTION OF SYMMETRY,
STRUCTURE, AND INFORMATION
IN THE OXIPO-MODEL OF
LEARNING

Miro BRADA:
QUALITY OF INFORMATION AND
SYMMETRY

Dmitry WEISE:
PERIODIC LAW IN THE CONTEXT
OF COGNITIVE DEVELOPMENT

Michael BURT:
A COMBINED RESEARCH PLAT-
FORM OF STRUCTURAL MORPHO-
LOGY, DEALING WITH THE
ORDERED 3D SPACE

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CLOSING OF THE CONFERENCE

Wednesday, September 15

11:30 AM to 12:30 AM UTC

Speakers: Dénes NAGY, Marcin
SCHROEDER and Vera VIANA

Abstracts

The abstracts are readable at this link:
[http://symmetry-us.com/wp-
content/uploads/2021/09/SSI-at-
IS4SI2021.pdf](http://symmetry-us.com/wp-content/uploads/2021/09/SSI-at-IS4SI2021.pdf)