



European Society for Mathematics and the Arts

## Newsletter

Volume 008 issue 05

May 2017

*Dear Reader,*

*First a kind of anecdote. In the April Newsletter, I mentioned that some works vanished during their trip from Lausanne to France. In order to get some funds back from the insurance, ESMA had to lodge a complaint. The policeman who received the complaint had studied art history before entering his new job. He admired the works from our catalogue. He was particularly interested in Luc Bénard's Don Quijote. Let us hope that this funny combination of circumstances will facilitate the return of the works. Of course it is a hope.*

*An exhibition of the « Art Construit » group recently took place in the Christiane Peugeot Gallery in Paris <http://carrement.over-blog.com/>.*

Espace  
Christiane Peugeot  
62 av de la Grande Armée  
75017 Paris  
18 avril - 01 mai 2017

**CARREMENT**

Homage à  
Marino Di Teana

Vernissage  
20 avril de 18h à 21h  
(Invité Mira Odalovic)

Ouverture  
Tous les jours de 13h à 19h

David APIKIAN  
Chantal ATELIN  
Françoise AUBRY  
Milija BELIC  
Roger BENSASSON  
Joël BESSE  
Charles BÉZIE  
Jean-Luc BRUCKERT  
John CARTER  
Michel CLOLUS  
Marino DI TEANA  
Raphaël DURANS  
Olivier FOUCHARD  
Daniel G HILL  
Antonio GARCÍA-LEÓN  
Ingrid HORNEF  
Atsushi KOBAYASHI  
Rupert MAIR  
Elissa MARCHAL  
Marilyn Chapin MASSEY  
Roland ORÉPÜK  
Loredana RANCATORE  
Claudine SALLENAVE  
Jocelyne SANTOS  
Jun SATO  
Szász János SAXON  
Werner STEMANS  
Bogumila STROJNA  
Daniel TOSTIVINT  
Jacques WEYER





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30 artists exhibited their works: very pleasant to look at, but almost no mathematics. Anyway, works by the German artist Ingrid Hornef have some pedagogical interest. One of these will be shown next year, during the March exhibition in Paris. The work is a black square divided into small squares of the same size. Each small share may be filled up with small white bands. The presence and the position of the band are probabilistically determined by the values of a die. Teachers can use the idea governing the construction of the work to teach the basis of probability theory.

In the last edition of the Newsletter of the European Mathematical Society, appeared the text of an old lecture by there well known Swiss mathematician Armand Borel (1923-2003). The title of the talk is *Mathematics: Art and Science* [EMS Newsletter March 2017, 37-45]. This text suggested to me the short writing of a kind of answer, clarification and sometimes in-depth analysis, simply titled «Letter to Armand Borel» [<http://www.math-art.eu/Documents/pdfs/borel.pdf>]. I would be grateful to receive comments on the content of the letter.

Best wishes,  
Claude

### P.S. SMI'2017 Fabrication and Sculpting Event

Website: <https://s3pm.icsi.berkeley.edu/s3pm/fase.html>

### Call for Papers

The Fabrication and Sculpting Event (FASE) presents original research at the intersection of theory and practice in shape modeling, fabrication and sculpting. FASE focuses on the practical problems of generating shapes and specifically addresses the interplay of theory and practice. FASE invites practitioners who have inspiring ideas to contribute their work concerned with techniques to design, sculpt and fabricate shapes. The work is expected to have clear algorithmic or mathematical aspects.

### Topics

FASE solicits papers that pose new questions and motivate further research in designing, fabrication and sculpting. Topics should be useful, for example, in the following areas:

- Fabrication of digital models
- Advanced manufacturing techniques such as additive manufacturing, laser cutting or CNC milling





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- Interactive or procedural design of manufacturable shapes
- Interconnections of complex modeling and fabrication processes
- Visually stimulating fabrication techniques techniques or printed structures

### Submissions

All FASE paper submissions will be handled via the easy-chair system following a one-stage peer review cycle. Accepted FASE papers will be published in a special issue of the Hyperseeing magazine. FASE paper presentations will be 15 minutes in length and typically be presented in sessions held in parallel to technical paper presentations at the geometry summit.

**Submission website:** <https://easychair.org/conferences/?conf=smifase2017>

### Location

SMI-FASE 2017 will be co-located in Berkeley, California with the Shape Modeling International (SMI) and the Symposium on Solid Physical Modeling (SPM) as part of the S3PM-2017; Shape, Solid, Structure and Physical Modeling in 2017.

### Important Dates

May 15, 2017 :: Full Paper Submission Due

May 30, 2017 :: Acceptance Notification

Jun 10, 2017 :: Camera Ready Papers Due

Jun 21-23, 2017 :: Event @ UC Berkeley

### Co-Chairs

Ergun Akleman

Jakob Andreas Bærentzen

Konrad Polthier

*Claude Bruter, Publisher. Contributors: Milija Belic, Sharon Breit-Giraud, Richard Denner, Jos Leys.*

*Website: <http://www.math-art.eu>*

