



EUROPEAN SOCIETY FOR MATHEMATICS AND ART NEWSLETTER

Volume 001. Issue 003

APRIL - MAY 2010

FOREWORDS ACTIVITIES RESOURCE UPDATE GALLERY

Dear Colleagues,

Following is a brief overview of ESMA activities for the period April – May , 2010.

Treasury:

Money is needed for publications, conferences, winter and summer schools.

Regular 2010 dues for individual members are 30 €. Members with economical difficulties may request a deferred payment or submit in-kind donation to be evaluated in lieu of payment by the Executive board.

Checks should be sent to: ESMA, H. Lehning, IHP, 11 rue Pierre et Marie Curie, 75231 Paris, Cedex 05. For wiring and direct transfer: Caisse d'Epargne Ile-de-France (BIC or SWIFT) : CEPAFRPP751, IBAN : FR76/1751/5006/0008/0001/8634/606)

Exhibition (June 7 – July 25):

The exhibit will take place at the IHP and at the Ecole Normale Supérieure. The reception will start at 11:00 AM on opening day, Monday June 7th.

Note

The IHP, will be hosting the annual Clay conference, June 8-9. A few works related to Poincaré (hyperbolic geometry, topology of the 3-sphere) will be shown on the lower floor. Mathematical objects and small sculptures will be displayed in glass cases in the library along with a selection of wall pieces (algebraic geometry, optimal surfaces and various kinds of tessellations)

A gallery for you in Paris

Our colleague Philippe Rips has kindly offers to host some additional works his new gallery, 16 rue Jacquemont 75017 PARIS. Contact him for detail at rips.philipp@club-internet.fr

Conference (19-23 July 2010) : *Deadline for sending the manuscripts: May 19. They should be sent to cpbruter@mathart.eu*

Proceedings: *Authors are encouraged to submit a PDF copy of their manuscript to the journal Symmetry. Manuscripts can include color graphics, but no multimedia (animation, video, etc.) The Journal electronic version will include all color graphics provided by the authors. The printed version of the Journal will be in black and white only. (Detailed instructions for submission are available on their site at www.symmetry.hu)*

Resource Center:

The purpose of the Resource Center is to serve as a useful reference library for ESMA members and guests. Its goal is to provide information on old and new mathematical problems, software and technical tools available for artistic and creative visualization.

ESMA encourages you to participate in the development of its Resource Center. Feel free to comment on the existing content and on any particular reference. Send your idea, suggestion, recommendation at info@mathart.eu Your feedback is valuable to all.

CONTENTS

FOREWORDS	P. 1
ACTIVITIES	P. 2
RESOURCE UPDATE	P. 3
GALLERY	P. 3



Problems corner:

This section might become a part of the Resource centre. It will feature issues, recommendation discussions on problems relating to the field of mathematics and art. Example of which could be particular mathematical issues such as :

- Recently, W. Thurston has reintroduced mathematics in the creation of clothes. Lucas, Tchebychev were precursors. The question remains to have a theory of the drapery, giving the best places of the folds, according to the moves of the bodies. The main part of the body is the bust, the arms. The cloth is like a waveform arising from the bust. It gives rise to simple singularity which unfold into the folds.

Reminder:

Summer and winter Schools:

Slavik Jablans from the Mathematical Institute in Belgrade is steering a committee focused on organizing summer and winter schools. Information, question, contact Slavic at sjablan@gmail.com

Small mathematical objects:

François Apéry is steering a committee that work on the contents of the various collections of mathematical objects. For further information, contact François at francois.apery@uha.fr

*With my best wishes
Claude P. Bruter
05.05.2010*

ACTIVITIES

Posted this month on the ESMA website, activities page. For information, listing of upcoming events: info@mathart.eu

May 19 - ESMA Mathematics & Art conference, Institut Henri Poincaré. Paris, FR. July 19-22. Deadline for submitting manuscripts May 19. Forward your material to: cpbruter@mathart.eu

June 7 - ESMA exhibit, June 7- July 25, Institut Henri Poincaré. Paris, FR. Opening Monday June 7th, 11:00 AM.

June 8 - 9 - Clay Institute, Mathematics Research Conference June 8 - 9, 2010. Institut Henri Poincaré, Paris. FR.

July 24 - [Bridges 2010](#) Maths & Art conference. Pécs, Hungary, July 24-28.

ESMA site statistics this month. Most visited pages: Resources EN (94), Galleries EN (74), Newsletter (68)

New members of the ESMA community on the internet this month:

[ANIMATH](#), [IMAGINARY](#), [ISAMA](#), [SYMMETRY](#), [3D-XPLORMATH](#)

If interested to link your personal or professional site to ESMA, contact our site administrator for help & advice: info@mathart.eu

Worth viewing: "Nature by Numbers". A multimedia introduction to mathematical visualization from [Eterea studio](#). Recommended by Antonia Redondo.

RESOURCE CENTER

Posted this month on the ESMA website, resource center page. For suggestion, recommendation, comment on new posts: info@mathart.eu

Claude Bruter: "Relevance of mathematical objects in the esthetic environments: spirals, tessellation, surfaces" 69 pages illustrated report on the Saverne lecture ESMA site, resource page, mathematics & art. www.mathart.eu

Tom Johnson: Tiling in My music . Numerous examples rhythmic canons and other one-dimensional tiling techniques on a number of instrumental pieces, both solo and ensemble. [Edition 75](#)

Dmitri Tymoczko: "The Geometry of Musical Chords". From the very extensive catalog of the Institute for Music & Brain Science, an organization dedicated to advancing knowledge about the neurobiological foundations of music. [IFMBS site](#), selected reading

GALLERY

Posted this month on the ESMA website, gallery page. For suggestion, recommendation, comment on new posts: info@mathart.eu



Benno Artmann. Gallery of mathematical objects. www.mathart.eu/

Jean Constant: Julia in Bali.
A variation on the theme of the Julia Set revisited with the SeamlessWeaver software
www.mathart.eu/





EUROPEAN
SOCIETY
FOR
MATHEMATICS
AND
ART

ESMA CONFERENCE
MATHEMATIQUE ET ART
19 - 22 JUILLET

Institut Henri Poincaré, 11 rue Pierre et Marie Curie. 75231, Paris.