



## EUROPEAN SOCIETY FOR MATHEMATICS AND ART NEWSLETTER

Volume 001. Issue 002

FEBRUARY -MARCH 2010

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*Dear Colleagues,*

*Following is a brief overview of ESMA activities for the period of February - March, 2010.*

1. *Conference: (new and extended schedule July 19-22, 2010)*

*The conference dates have been extended three days to accommodate the increasing number of requests for lectures and presentations. 25 lecture proposals have been registered for the conference already. If you have not submitted your proposal yet, please send it to the following address : [cpbruter@mathart.eu](mailto:cpbruter@mathart.eu). Deadline for submitting abstracts: May 8. Deadline for submitting manuscripts: June 12 ,*

*Proceedings :*

- An electronic version of the conference proceedings and presentations will be posted on the ESMA site.*
- Authors are also invited to submit their proposal to the Journal Symmetry. Papers should be send in .pdf format. Graphics will be featured in color in the Journal electronic version and black and white in its printed version. Authors will received a copy of the journal. Detailed instructions are available at: [http://symmetry.hu/aus\\_journal\\_content\\_abs.html](http://symmetry.hu/aus_journal_content_abs.html)*

*Exhibition (June 7 –July 25) : The exhibit opening is scheduled for Monday, June 7. at 11:00 AM. It will be followed by a lecture by Etienne Ghys at 7. PM. Artworks will be exhibited both at the ground level and in the library. 3-D objects and small sculptures will be presented in glass display cases.*

2. *Resource Center:*

*To serve its membership better, ESMA encourages you to participate in the development of its Resource Center. Send your idea, suggestion, recommendation at [info@mathart](mailto:info@mathart)*

*The purpose of the Resource Center is to become a useful 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. Feel free to comment on the existing content or on any particular reference. Your feedback is valuable to all.*

3. *Problems corner:*

*This section might become a part of the Resource Center. It will feature articles on problems and recommendation relating to the field of mathematics and art. Example of which could be particular mathematical issues such as :create new objects as fiber spaces over curves - the fiber being a straight segment, a curved one, a circle, etc...*

4. *Treasury :*

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



*The association needs money to support publications, conferences, winter and summer schools. Regular dues for individual members are 30 €. Members with economical difficulties may request deferred payment or submit to the Executive board in-kind donation in lieu of payment. Your support is appreciated.*

*All members are welcome to contact their local government or institutions on behalf of ESMA to solicit additional funding to promote the association activities.*

5. *Summer and winter Schools:*

*Slavik Jablans from the Mathematical Institute in Belgrade has accepted to steer a committee focused on organizing summer and winter schools. If interested to join his effort, contact Slavic at [sjablan@gmail.com](mailto:sjablan@gmail.com)*

6. *Small mathematical objects:*

*François Apéry has accepted to steer a new committee that will work on the contents of the various collections of mathematical objects. For further information, contact François at [francois.apery@uha.fr](mailto:francois.apery@uha.fr)*

*With my best wishes  
Claude P. Bruter  
25.02.2010*

## ANNOUNCEMENTS

*Posted this month on the ESMA website, activities page.  
For information, listing of upcoming events: [info@mathart.eu](mailto:info@mathart.eu)*

March 19 - Cambridge Science Festival March 19. 2010. Centre for Mathematical Science, Cambridge, U.K. <http://www.virtualimage.co.uk/html/scienar.html>

March 30, 2010 - Call for Abstract. 3rd International Conference (Chaos 2010) on Chaotic Modeling, Simulation and Applications MAICH Conference Centre, Chania, Crete, Greece (June 1-4, 2010). Paper submission (deadline March 30, 2010). [www.chaos2009.net/chaos2010.html](http://www.chaos2009.net/chaos2010.html), [info@cmsim.net](mailto:info@cmsim.net)

May 8 - ESMA Mathematics & Art conference, July 19-24. Institut Henri Poincaré. Paris, FR. Deadline for submitting abstracts: May 8. Deadline for submitting manuscripts June 12. Forward your material to: [cpbruter@mathart.eu](mailto:cpbruter@mathart.eu)

May 19 - ESMA exhibit, June 7- July 25, Institut Henri Poincaré. Paris, FR. Deadline for submission: May 19. [info@mathart.eu](mailto:info@mathart.eu)

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

July 19-24 - ESMA Mathematics & Art conference, Institut Henri Poincaré. Paris, FR.

## RESOURCE CENTER UPDATE - 3-2010

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

Benno ARTMANN. Mathematical Motifs on Greek Coins. The Mathematical Intelligencer 12, 4, 1990 , 43-50. EN.

D. G. EMMERICH. Exercices de Géométrie Constructive. Editions de la Vilette, Paris, 1970. FR.

D. HUYLEBROUK-B. ARTMANN-G.HAMMERLIN-W.MOHRING-G.BUSKES. The Liberal Arts, The Mathematical Intelligencer, 20,3, 1998, 40-46. EN.

Jag MOHAN SINGH and P J NARAYANAN. Real-Time Ray-Tracing of Implicit Surfaces on GPUs. <http://researchweb.iit.ac.in/~jagmohan/ImplicitTR.pdf>. EN.

Ian STEWART The Cloisters of Hauterive, The Mathematical Intelligencer, 13, 2, 1991, 44-49. EN.

Dmitri TYMOCZKO. "The Geometry of Musical Chords". (7 July 2006), [http://www.brainmusic.org/EducationalActivitiesFolder/Tymoczko\\_chords2006.pdf](http://www.brainmusic.org/EducationalActivitiesFolder/Tymoczko_chords2006.pdf). EN.

D. WELLS, The Penguin dictionary of curious and interesting geometry, Penguin Books, 1991. Easy to read and excellent book. Very useful to artists and mathematicians as well. In English & French. (Traduction française: Le dictionnaire Penguin des curiosités mathématiques, Eyrolles, Paris, 2000.)

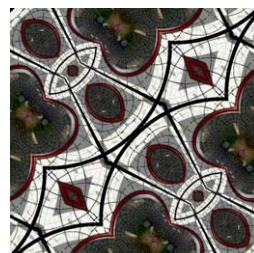
Geraud BOUSQUET. SeamlessMaker v.1,1  
You can work now with picture, including alpha channel (TIFF & PNG) and apply amazing effects like Droste effect. You can also realize endless zoom movies. Does include 24 video tutorials in the "help menu". In English : [http://www.hypatiasoft.fr/Folder\\_SeamlessMaker/Pages\\_HTML/SeamlessMaker\\_A.html](http://www.hypatiasoft.fr/Folder_SeamlessMaker/Pages_HTML/SeamlessMaker_A.html) In French: [http://www.hypatiasoft.fr/Folder\\_SeamlessMaker/Pages\\_HTML/SeamlessMaker\\_F.html](http://www.hypatiasoft.fr/Folder_SeamlessMaker/Pages_HTML/SeamlessMaker_F.html)

## GALLERY

### SEAMLESSMAKER V.1.1

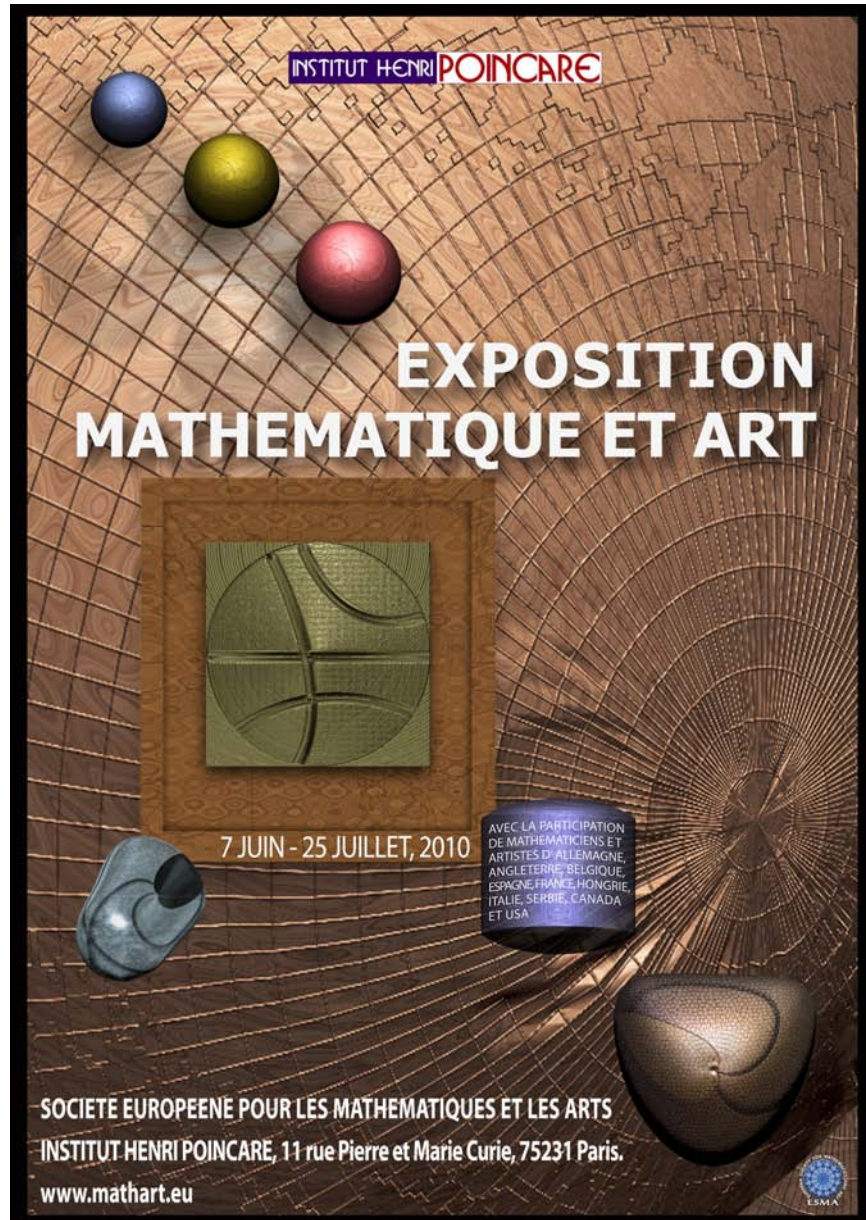


G. Bousquet



J. Constant





INSTITUT HENRI POINCARÉ

# EXPOSITION MATHÉMATIQUE ET ART

7 JUIN - 25 JUILLET, 2010

AVEC LA PARTICIPATION  
DE MATHÉMATIENS ET  
ARTISTES D' ALLEMAGNE,  
ANGLETERRE, BELGIQUE,  
ESPAGNE, FRANCE, HONGRIE,  
ITALIE, SERBIE, CANADA  
ET USA

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