



European Society for Mathematics and the Arts

## Newsletter

Volume 004 issue 04

April 2013

*Dear All,*

*I would like first to recall the main themes of our next ESMA Conference in Cagliari (Sept. 18-20) :*

- Mathematical tools and software for the creation of artistic scientific visualizations*
- Analysis of artistic works from the mathematical point of view*
- Pedagogical uses of scientific artistic works.*

*A reminder that the Proceedings of the previous conferences were published by Springer :*

- [Mathematics and modern art](#), Proceedings of the First ESMA Conference, held in Paris, July 19-22, 2010 Springer Verlag, 2012 ISBN 978-3-642-24496-4 e-ISBN 978-3-642-24497-1.*
- [Colloque Mathématiques et Art, Mathematical Visualization in Art and Education](#), Springer-Verlag, 2002 ISBN 3-540-43422-4.*

*March 5 marked the European launching of MPE2013 (Mathematics of the Planet Earth 2013 <http://mpe2013.org/>) and the launching of the Mathematics of Planet Earth Exhibition. Our partner Imaginary, which has financial and technical means ESMA does not have at all, is in charge of this exhibition. Though Jean-François Colonna and John Sullivan have beautiful works related to physics, ESMA could not participate in the exhibition since we do not have works specifically related to the environmental and ecological subjects on which the mathematicians of MPE are working, a fact which also calls for some explanation.*

*In a private conversation, I mentioned the names of two well-known mathematicians and predecessors of Christiane Rousseau, who is at the origin of the present movement. She suggested participating in the English blog. One can find the homage on <http://mpe2013.org/2013/03/16/predecessors-of-mpe2013/>. The absence of reference to history during the speeches is an indicator of the youth of the social awareness*



*of problems arising from the evolution of our society.*

*Note also that for the last 18 months, greatly made easier by the explosion of computer technology, we have observed an incredible birth of associations, seminars and conferences devoted to science and art. The fact is that they apparently all ignore math, and ESMA as well : math and art remains a specificity of ESMA. It would be worthwhile to get a keen analysis of that situation and of these events, linked to the technical, economic and social evolution of our society.*

*MADI (<http://www.mobil-madi.org> <http://madi-international.com>) is an international association of artists born in 1946 and involved in elementary geometry and art. Janos-Szasz Saxon from Hungary is one of the most active members of MADI. He has been following ESMA activities since the beginning. We exchanged a few mails where it was suggested that some MADI members might wish to enrich their potentiality of expression by considering new objects and advanced software through summer or winter schools. This might take some time until the idea cristallizes in peoples minds.*

*The printing of the 2013 ESMA catalogue (32 exhibitors) is now in preparation. It might appear partially on our website.*



*University of Cagliari, Mathematics Department*

*Best wishes,  
Claude*

*Claude Bruter, Publisher. Contributors : Sharon Breit-Giraud, Renzo Caddeo, Richard Denner, Jos Leys, Janos-Szasz Saxon . Website : <http://www.math-art.eu>*