

Leonardo Network News

*The Newsletter of the International Society of the Arts, Sciences, and Technology
and of l'Observatoire Leonardo des Arts et Technosciences*

Prometheus Institute Galeyev Readings 2010

The Prometheus Center cordially invites *Leonardo* readers to take part in Galeyev Readings in Kazan, Russia, 1–7 October 2010. The event will include a conference, an exhibition and a festival in honor of scientist/artist and Leonardo Editorial Board member Bulat Makhmudovich Galeyev (1940–2009).

1. In Memoriam: B.M. Galeyev—a theorist and practitioner of new art; B.M. Galeyev's contribution to the formation of public opinion on synthetic arts development.
2. The history, theory and practice of light-music.
3. The theory and practice of new arts appearing at the cusp of the new millennium ("Son et Lumiere" performances, video installations, performances, laser and computer art, etc.).
4. Philosophers' and psychologists' views on synesthesia and its manifestation in literature and fine art.
5. Light and sound in architecture.
6. Light and sound technique. Light-sound methods of analysis and correction of the man-machine system state.

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Leonardo Electronic Almanac Re-Launch

Leonardo Electronic Almanac (LEA), a member of the Leonardo/ISAST family, has been re-launched! The new format combines the features of a high-production-value art magazine with the scholarly rigor of an academic journal. The new version of LEA, under the direction of Lanfranco Aceti, Editor in Chief, and Paul Brown, Co-editor, is a well-illustrated, attractive and readable magazine that is simultaneously available on-line as a hyperlinked screen-resolution PDF document, as a high-resolution print-on-demand magazine and in a downloadable version for book readers on electronic devices such as the Amazon Kindle. The publications are integrated into a regularly updated web portal that will provide additional and supporting services such as announcements, opportunities, interactive content-oriented blogs and wikis. The LEA on-line environment is intended to be a hierarchical content generator, with the quarterly publication representing a punctuated pinnacle of this multidimensional, user-driven, discipline-oriented social network. For more information, visit: <www.leonardo.info/leainfo.html>

Astronymous: For Recovering Astronomers Seeking to Re-enter Society

The Astronymous twine (on-line community tool) is a subgroup of the Leonardo Scientists Working Group for professional astronomers who have dual careers as both scientists and artists, or for astronomers who have collaborated with artists in the creation of artworks. Professional astronomers wishing

to join the twine should contact Jayanne English at <Jayanne_English@umanitoba.ca>. For more information, visit: <www.twine.com/twine/12mkkxp5k-3lm/astronymous-leonardo-art-and-astrophysics-working-group>.

Call for Papers: Nanotechnology, Nanoscale Science and Art

Guest Editor: Tami I. Spector

2011 is the International Year of Chemistry! To celebrate, Leonardo is seeking to publish papers and artworks on the intersections of chemistry, nanotechnology and art for our ongoing special section on nanotechnology and the arts. Since its inception, nanotech/science has been intimately connected to chemistry; fullerenes, nanopotians, molecular machines, nano-inorganics and self-assembling molecular systems all spring from the minds and labs of chemists, biochemists and chemical engineers. If you are a nano-oriented chemist who is serious about art, an artist working on the molecular level, or a chemical educator exploring the mysteries of nano through the arts, we are especially seeking submissions from you.

Leonardo articles already published or in press that explore the intersections of nanotech/science and art include: "Nanoscale and Painting," by artist Filipe Rocha da Silva; "Fact and Fantasy in Nanotech Imagery," by scientist David S. Goodsell; and "Midas: A Nanotechnological Exploration of Touch," by artist Paul Thomas.

For more information, visit: <www.leonardo.info/isast/journal/calls/nanocall.html>.

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Subscribe now and get a 20% discount on a new or renewed subscription to *Leonardo* and *LMJ* PLUS a free book from the MIT Press! A *Leonardo* and *LMJ* subscription includes five issues of *Leonardo*, published bi-monthly, and one issue of *Leonardo Music Journal* + audio CD published at the end of the year. PLUS, the subscription includes associate membership in the International Society for the Arts, Sciences and Technology, which includes discounts, special invitations and more! Offer good through 4 July 2010. Find out more: <www.leonardo.info/isast/specialoffers.html>.

Water and Space: Societal, Educational and Cultural Aspects

International Astronautical Congress
27 September–1 October 2010, Prague

A joint session (E1.6.–E5.4) between the IAF Space Educa-

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tion and Outreach Committee and the IAA Commission VI, co-sponsored by ITACCUS, on the topic "Water and Space: Societal, Educational and Cultural Aspects," will be held during the International Astronautical Congress in Prague in 2010. Interdisciplinary in nature, it will explore the societal and cultural contexts of water as related to space.

Nearly 71% of the Earth is composed of water. Recently water has been found on other celestial bodies (the Moon, Mars). Yet the world faces serious issues related to water: not only regarding its general availability and management, but also in the context of global warming, as well as the pollution of rivers, lakes and oceans.

Space systems are employed in monitoring such aspects as ocean currents and salinity, the decline of Arctic ice cover, and the location and size of shoals of fish. Water management often relies on the use of space systems for scientific study as well as for remote operation of pump stations.

Water, and its resource management, affects societies that depend on it for a living as well as for survival, not to mention other life forms. Access to water is often a matter with serious political and economic implications. Emergency planners are coming to rely on space systems for time-critical response and management of water-associated disasters such as floods and tsunamis. Climate-change modeling requires a good understanding of hydrological science, and this too is helped by the data provided by space systems.

Possible topics in this interdisciplinary session include: political and economic issues; how the crises affecting our oceans impact society; how the discoveries of water on the Moon and Mars not only open up new knowledge but may also impact both the human condition on earth and human space exploration; the way the arts, popular culture and entertainment engage with cultural issues around water; remote-sensing coordination and public access; water management; and educational programs relating to water from space and water in space. For more information visit: <www.leonardo.info/isast/announcements/Olats_WaterSpace_Nov09.html>.

Lovely Weather Artists Residencies Donegal

Donegal County Council, in partnership with Leonardo/Olats, is proud to announce the five projects selected for the Lovely

Weather Donegal Artists Residencies, a groundbreaking art-and-science project that will examine issues of climate change in County Donegal, Ireland.

A large consensus exists across the world: The climate is changing. But what is climate change? What is causing it? And how will it affect us? These are the questions that are being asked by this unique initiative by Regional Cultural Centre/ Donegal County Council Public Art Office, in partnership with Leonardo/Olats.

The project has entailed a national and international competition resulting in five art/science artists or groups of artists being selected to work in each of the electoral areas of the county to explore on the ground the effects of climate change and its manifestations throughout the county.

According to one of the project co-coordinators, John Cunningham, "If we truly want to understand climate change, we have to realize how it works in local environments like Donegal. Art could help us to question our perceptions and relationships to weather, climate and help us to experience and reveal our inner participation with weather and climate, the rupture of their balance and its meaning for our world. The Lovely Weather projects, which are currently being developed, will access ongoing scientific studies alongside generations of local knowledge and are important mechanisms for progressive understanding of the impact of climate change on Donegal."

The five selected artists are:

- Peter d'Agostino (U.S.A.)
- Seema Goel (Canada)
- The League of Imaginary Scientists (Lucy Hg and partners, U.S.A.)
- Antony Lyons (U.K.)
- Softday (Sean Taylor and Mikael Fernstrom, Ireland)

The Lovely Weather artists will take an interdisciplinary approach from the outset and actively involve local people in their work to develop artworks that raise questions about climate and its changes on a practical level.

The Lovely Weather Artists Residencies will run from December 2009 until December 2010 and will be situated in the five Electoral Areas of County Donegal, Ireland (one per area).

Find out more: <www.leonardo.info/isast/announcements/LovelyWeather-Residencies.html>.