

## LabDays: REPAIR

Saturday, January 22 and Sunday, January 23, 2011 / 10 AM-6 PM

### Ars Electronica Center

(Linz, January 12, 2011) The Open PappLab in which customized cardboard furniture can be designed and produced, a chat with an algae engineer whose mission is to save the world (Johann Staudinger, JS EnviTec Environmental Technology), and electronic components that can be eaten once their useful life is over (Siegfried Bauer, University of Linz) are some of the highlights of REPAIR LabDays at the Ars Electronica Center. The laboratories in the Main Gallery will provide a stimulating setting for two full days of experimentation, tinkering and playful discovery in collaboration with specially invited experts.

The program and complete details about prices, registration and the length of each session is also available online at <http://new.aec.at/center/2010/01/30/labdays-repair/>.

## A Jam-packed Program for Young and Old, Experts and Laymen

### PappLab Workshops for Youngsters and Grown-ups

Tables, chairs, benches—all furnishings at Ars Electronica 2010 were made of cardboard (German: *Papp*) cartons. Mastermind and workshop director of the PappLab responsible for turning out these objects is Linz artist Wolfgang Gratt aka Wodo. Now, under his expert guidance at the Ars Electronica Center, young and young-at-heart designers can come up with cardboard furniture of their own and, when they're done, take their creations home with them.

Open PappLab Workshops for children and young people  
Saturday & Sunday, 11 AM-4 PM / Fee for materials used

PappLab Workshop for adults  
Sunday, 10:30 AM-12:30 PM / Pre-registration required / €10

## Repair Review

Living plants in which building components grow, a do-it-yourself €1,000 toaster, and a picture composed of 2.4 million pieces of plastic garbage illustrating the pollution of the Earth's oceans—Repair Review presents selected works from the 2010 Ars Electronica Festival and encourages attendees to dream of an alternative future.

Repair Review Tour  
Saturday & Sunday, 10:30 AM, 12:30 & 2:30 PM

## Open BioLab

Bacteria that produce electricity, light and hydrogen, and algae as universal raw material—biotechnology occupies the focal point at Open BioLab. Participants will be dealing with presumably common, everyday objects like foodstuffs and medicinal substances, as well as quite extraordinary strategies—environmentally friendly alternatives—for generating raw materials and energy.

Open BioLab  
Saturday, 12 Noon-2 PM & 3-5:30 PM / Sunday, 10:30 AM-5:30 PM

With queries, please contact

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### Microscopy Workshop

The microcosm (from mikrós kósmos, Greek for “little world”) is the miniature universe whose existence was discovered in the early 17<sup>th</sup> century when the invention of the (optical) microscope suddenly made it visible. This device has been enhanced and upgraded over the centuries to provide us with ever-more-detailed insights into an utterly alien world. Visitors to the Ars Electronica Center’s BioLab will get hands-on experience with a scanning electron microscope (SEM) and a fluorescence microscope, and take up-close looks at fabric and plant fibers, genetically engineered flies and other insects.

Microscopy Workshop  
Saturday, 10:30 AM-12 Noon / Pre-registration required / €10

### [the next idea]s

Since 2004, Ars Electronica and voestalpine have jointly staged a search for concepts with great future promise. [THE NEXT IDEA] VOESTALPINE ART AND TECHNOLOGY GRANT is the Prix Ars Electronica category specially dedicated to singling out for recognition the progenitors of innovative approaches and to nurturing their productive efforts. Here, the Ars Electronica Futurelab’s Bernhard Böhm will showcase some of these exciting, astounding concepts—among them, an island system that enables human beings to live in sustainable symbiosis with the sea, and the blackest black in the universe.

[the next ideas]  
Saturday, 11 AM-12 Noon

### ExpertBits: Chats with Siegfried Bauer (University of Linz) and Johann Staudinger (JS EnviTec Environmental Technology)

#### Algae: The World’s Primordial Substance

“I will repair the world.” Johann Staudinger’s (AT) mission is nothing less than replacing petroleum with algae and someday generating from plankton everything that’s now produced out of oil. Thus, “algae instead of petroleum” is his formula, one that’s designed to end our dependency on fossil fuels and avert the looming climatic catastrophe.

Algae: The World’s Primordial Substance  
Saturday, 2-3 PM

#### Biodegradable Electronics

“We have, for the first time, succeeded in developing organic field-effect transistors from natural raw materials such as beta-carotene, indigo, caffeine, glucose, dyestuffs and DNA,” said the University of Linz’s Siegfried Bauer (Department of Experimental Physics) and Niyazi Serdar Sariciftci (Institute for Organic Solar Cells). Green electronics—devices whose worn-out components no longer have to be recycled; instead, they can be composted or even eaten—constitute a scientific breakthrough that could soon go into (mass) production!

Edible Electronics  
Sunday, 2-3 PM

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