Science Days: Peeks inside the Brain

Saturday & Sunday, November 10-11, 2012 / 10 AM-6 PM

(Linz, November 7, 2012) Give some thought to the human brain during Science Days at the Ars Electronica Center on the weekend of November 10-11. Besides finding out all sorts of interesting things about how the brain works, visitors will witness how imaging techniques make mental activity visible and see other tools developed to better understand cerebral functions. There will also be opportunities to perform an eye operation with a virtual scalpel and to use eye tracking to draw conclusions about one's own brain activity.

Program Overview:

Historical (In-)Sights

Saturday & Sunday / 10:30 AM, 1:30, 3:30, 4:30 PM both days

For centuries, artists have been drawing imaginative images of the human body's interior. Visitors will get an impression of the historical development process from the first anatomical representations to methods that make it possible to observe the brain while it thinks.

Science Talk

Saturday & Sunday / 10 AM-6 PM, every hour on the hour

Upper Austria-based RISC Software GmbH is active in areas such as calculation, simulation, and computer-based data processing. Thomas Kaltofen of the company's medical informatics division shows how they're being applied in the health care field.

On Gyrus, Sulcus and Cerebral Lobes

Saturday & Sunday / 10 AM-6 PM

What do neuroscientists see when they observe the human brain? An anatomical specimen and a virtual model will help visitors learn more about the brain's structure and function.

Peeks inside the Brain from Young and Old

Saturday & Sunday / 10 AM-6 PM

Are you ready to take a look deep inside the brain? This experimentation station designed for kids and grown-up alike features fascinating optical illusions, magical images and tricky 3D puzzles to get across useful knowledge in a very entertaining way.

Mind Reader

Saturday & Sunday / 10 AM-6 PM

Can wishes or thoughts be read from a person's eyes? Visitors can try it out for themselves. The "mind reader" has a few surprises in store!

With queries, please contact
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From Eye Movement to Real-time Simulation

Saturday & Sunday / 10 AM-6 PM

An anatomical specimen makes it possible to investigate the human eye, while SEE++ software impressively illustrates the eye's complex construction. And with that orientation session under their belt, visitors can take a virtual scalpel in hand and perform a simulated operation.

The brain (Wikipedia): http://en.wikipedia.org/wiki/Brain
Ars Electronica Center: http://www.aec.at/news/en/

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