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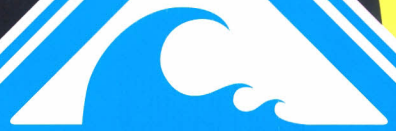
THE MAGAZINE OF TECHNOLOGY INSIDERS

spectrum

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**What Really Happened
at Fukushima**
and What It Means
for Nuclear Power



**ON 11 MARCH,
A MONSTER TSUNAMI
SWAMPED A 40-YEAR-OLD
JAPANESE NUCLEAR
POWER PLANT,
CAUSING THE
FIRST TRIPLE-CORE
MELTDOWN
IN HISTORY**

**An IEEE
Spectrum**

**Investigative
Report**



 **IEEE**



SPECTRUM.IEEE.ORG AVAILABLE 1 NOVEMBER

Fukushima: Measuring the Impact

The radiation released by Japan's nuclear disaster caused the government to evacuate towns and impose bans on fishing and agricultural exports. For an interactive map of the government's response, as well as a peek into the future of the Fukushima Dai-ichi site, go to <http://spectrum.ieee.org/fukushima>.



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New computer mice add useful capabilities, but at the expense of even more useful ones.
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The severity of the Chernobyl disaster was far greater than that of Fukushima. So why are they rated the same in impact?
By Prachi Patel

THEINSTITUTE.IEEE.ORG AVAILABLE 4 NOVEMBER



SATELLITE SERVICE EARNS MILESTONE

The world's first direct broadcast satellite service, which became available in 1984, is being honored with an IEEE Milestone this month. This service was the culmination of 18 years of research, which included the development of an inexpensive low-noise receiver and investigations of rain attenuation in the 12-gigahertz band.

FINANCING ENGINEERING EDUCATION

As most parents and students know, tuition at top engineering schools is not cheap. To help ease the financial burden, IEEE offers dozens of scholarships, fellowships, travel grants, and internships to engineering undergrads and grad students.

SIGNAL PROCESSING CONFERENCE

The IEEE International Conference on Emerging Signal Processing Applications, to be held from 12 to 14 January in Las Vegas, will cover 3-D technology for gaming, telepresence, gesture recognition for games and natural user interfaces, and more.

ONLINE WEBINARS & RESOURCES

AVAILABLE AT <http://spectrum.ieee.org/webinar>

16 November: Big Demand Drives Small Solutions: Scalable Baseband Solutions

17 November: Electrostatic Actuation With COMSOL Multiphysics

Simulation of Vacuum Electronics Devices Using VORPAL

Constrained Optimization in MATLAB: A Framework for N-1-1 Contingency Analysis and Security Constrained Optimal Power Flow

The IEEE Emerging Technology Forum Series: Reinventing Infrastructure for High Speed Rail

Plasma Modeling With COMSOL Multiphysics

The IEEE Emerging Technology Forum Series: Silicon Valley's Impact on the Automotive Industry

Requirements Management's Key Role in the Nuclear Industry

Modeling and Simulation of HEV and EV Power Electronics

Teaching Control Systems to Future Engineers

Systems Engineering: Two Perspectives on a Domain That Is No Longer Optional

PMU Technology for Dynamic Conditions in Distribution

New product release library:
<http://spectrum.ieee.org/static/new-product-release-library>



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