




**RESEARCH
CHANNEL**



Think Forward. Think ResearchChannel.



We discover
more about our world
every day.

**And ResearchChannel
brings you these
discoveries.**

Watch ResearchChannel on cable, on satellite and online.
Our online video library contains thousands of programs that are available 24 hours a day, seven days
a week.

www.researchchannel.org



ResearchChannel is a nonprofit media and technology organization that connects a global audience with the research and academic institutions whose developments, insights and discoveries affect our lives and futures.

▽ Making Research Findings Available to the Public

We live in a research-oriented society, and the public craves information. In a 2001 National Science Foundation survey, roughly nine in 10 adult Americans reported an interest in scientific discoveries and the use of new inventions and technologies. Yet the public often does not learn of research developments until discoveries are already employed in mainstream applications and receive mass media coverage.

Since its founding, one of ResearchChannel's goals has been to make the work of researchers widely available to the public on a scale never before possible. Through cable, satellite, online and video-on-demand distribution, we bring the work of leading researchers to our audience in its original form, unedited and without interruption. ResearchChannel is a powerful tool that helps engage audiences worldwide and sustain public interest in science, health, technology, and the arts and humanities, all free of charge.

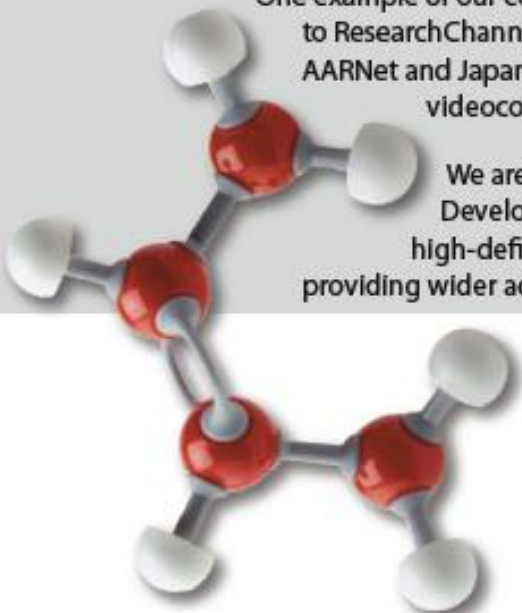
▽ Collaborating on a Global Scale

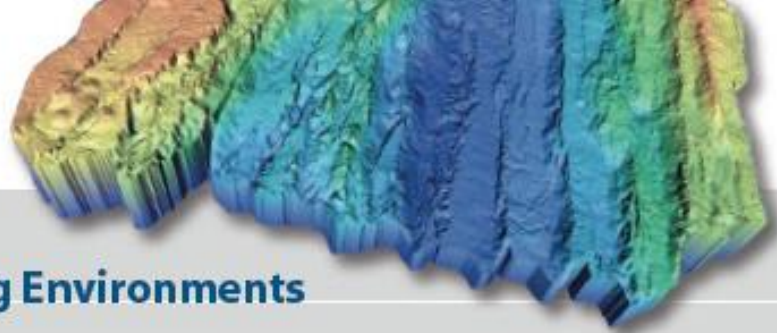
ResearchChannel collaborates with industry-leading technology companies and works in association with research institutions and networking organizations worldwide to develop and demonstrate innovations in high-quality communications and the distribution of digital media.

One example of our collaborations is working with Microsoft Research to bring its lecture series video to ResearchChannel. Another is our work with affiliates such as the Netherlands' SURFnet, Australia's AARNet and Japan's WIDE project to develop ResearchChannel's multipoint high-definition videoconferencing capabilities.

We are also working with several partners on the open source initiative for iHDTV™. Developed by ResearchChannel, this software suite captures, packetizes and transports high-definition video in various formats over Internet Protocol networks, with the goal of providing wider access to high-definition content.

Ideas are shared in their original form —
unmediated and without interruption.



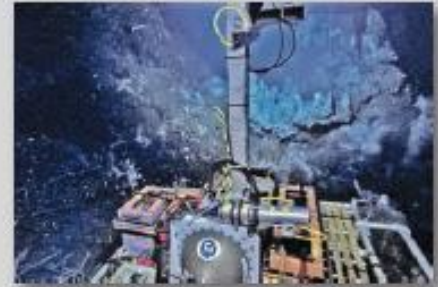


▽ Creating New Learning Environments

One of ResearchChannel's primary efforts is making high-definition resources available more widely over the Internet, at lower bitrates and at a lower cost using our iHDTV™ software. Our goal is to deliver the most realistic images possible to people's desktops, which will make new learning environments possible.

One example is our demonstrations of global, low-latency videoconferencing using uncompressed, high-definition video. These demonstrations have shown the potential of this new form of interaction between colleagues around the world. This technology will allow dispersed communities to work together, in real time and with the incredible video quality only possible in high definition, proving there are no spatial barriers to immediate and lifelike interchanges.

Another example is VISIONS '05, an extraordinary collaboration showcasing the powerful results when technology and research pursuits come together. ResearchChannel, the University of Washington's Oceanography department, Woods Hole Oceanographic Institute, The Scripps Research Institute and iGrid worked together to bring thermal vents in this part of the seafloor to life for the first time in HD — and gave researchers a chance to incorporate high-quality video into their expedition.



▽ Sharing Large Digital Collections

Academic, research and scientific communities are amassing amazing and extensive digital collections, but sharing digital content and metadata can prove difficult. DigitalWell™, a grid-enabled asset management system developed by ResearchChannel and the University of Washington, enables authenticated and authorized sharing of large digital collections, both within departments and between institutions.

This open source software suite will open new doors for research and science. For example, DigitalWell™ will make HD research video immediately accessible. This in turn will allow research to be conducted quickly and collaboratively by people working together around the globe. DigitalWell™ provides an easy way to acquire, collect, classify, store and deliver large collections of digital media over IP-based networks. This software is just one way ResearchChannel is helping to build the future of advanced networks and support the ever-changing needs of academic, research and scientific communities.





ResearchChannel is a nonprofit media and technology organization that connects a global audience with the research and academic institutions whose developments, insights and discoveries affect our lives and futures.

An intellectual community, ResearchChannel was founded in 1996 by leading research and academic institutions so they could share the work of their researchers with the public. These ideas are shared in their original form — unmediated and without interruption. Today, more than 70 participating members and affiliates provide all programming, and that number continues to grow.

Remarkable speakers, researchers and professors present revolutionary thoughts and discoveries on ResearchChannel. Johns Hopkins University, the University of Washington and Howard Hughes Medical Institute are just a few of the world-renowned institutions that participate and whose programs are featured.

ResearchChannel acts as a technology testbed and innovator for new methods of global distribution and interaction. Network, computing and content-creation collaborations allow participants to make the most of traditional, new and emerging technologies. Collaborative projects include those with Intel, IBM and Microsoft Research. New technologies are essential for enhancing research, reaching a wider audience and providing alternative, high-speed exchanges of video resources.

Through cable and satellite distribution, ResearchChannel is available to more than 22 million U.S. households. The channel is also available on select academic networks in the United States and other countries. Online, ResearchChannel uses advanced streaming and broadband technologies to provide programs via a live webstream and an extensive video-on-demand library. The library houses thousands of full-length programs that are available 24 hours a day, seven days a week.



Think Forward. **Think ResearchChannel.**

MISSION

As a consortium of universities and research institutions, we are an intellectual community that makes knowledge available to all by sharing our developments, insights and discoveries with a global audience. We bring together ideas from the world's premier institutions and disseminate those ideas to the public directly. We engage our audience in the research process by communicating developments as they unfold. We experiment with technology to enable alternative, leading-edge exchanges of our resources. We are committed to looking forward, both in terms of our technological innovation and our continual diversification and expansion of resources for our audience.

To learn more about ResearchChannel
visit www.researchchannel.org
e-mail info@researchchannel.org
call 1-877-616-7265

