

Biology	Virtual Human Body	This Mor Rep
Chemistry	Reported January 2007	Ranking Winter :
Computer Science	ROCHESTER, N.Y. (Ivanhoe Broadcast News) We all know what we look like on the outside, but what about inside our bodies? Virtual reality usually flies us through imaginary worlds. Now a new one flies through the real	A new way to rar gets the word ou expect after the s
Earth Science	world of the human body.	<u>Flu Fighter</u> Biochemists can treat, and develo against new strai
Engineering	Analyzing SystemPlease Wait	than ever before.
Math	Your Speed Your Player 56k Dial-Up Windows Media	<u>Smart Cars</u> What if cars coul signals that could
Microbiology	300k Broadband QuickTime	life know wher an accident kn safe to turn? Sm closer than you t
Neuroscience		closer than you t
Optics	350k Broadband	Smart Meters Sa During the winter the heat Durin we turn up the A
Physics	Save and Play	up electricity, but smart meter may and money.
	Anatomists, along with bio-chemists and medical illustration students, built the new detailed images to create a never-before-seen virtual view of the body.	De-Bugging You Pesticides hurt th and our health. E zapper doesn't u
	"I think it's really exciting to see what we had in our head come to life," Jillian Scott, a Medical Illustration Student at the University at Buffalo in N.Y., tells Ivanhoe.	chemicals.
	The voyage goes deep into vital organs to reveal microscopic views of cells and tissues, providing a powerful tool for understanding the human body.	Fingerprints Airports may one improved securit
	Anatomist Richard Doolittle, Ph.D., of Rochester Institute of Technology in N.Y., says, "Going with something like a 3-D approach allows the student, allows the user, to see the structures from all different angles."	to a new materia fingerprints nearl forge.
	The images are built through a combination of illustrations, knowledge of molecular cell structures, and an understanding of the body. Then computer software creates the images. The result is a virtual library of the human body.	What Color is A? What does yellow Some people hav senses a phen synesthesia.
	I	i

"Our real goal here is to provide the most reliab the most graphically, graphically appealing way Ph.D., a biochemist at Rochester Institute of Te also an interactive way to navigate through the information from virtually every angle. So far, researchers have created images of the heart and plan on continuing building images of heart and plan on continuing building images of	that we can," Paul Craig, chnology, tells Ivanhoe. It's body, and learn more pancreas, liver, kidneys and the entire body and then	Targeting Ca Planning cand tough for doct have to look and visualize tumor is locat "dome" gives
build images of diseases in a virtual environment	nt.	Latest in LAS Laser eye sur
The Optical Society of America contributed to the the TV portion of this report.	ne information contained in	patients with Now, doctors LASIK surger
Click here to Go Inside This Science or cont	act:	better.
Optical Society of America 2010 Massachusetts Ave., N.W. Washington, DC 20036-1023 (202) 223-8130 info@osa.org		Life From Oth A small piece from the space could give ne where humar
http://www.osa.org		
Larry Hodges, Ph.D. Director of the Virtual Human Projects (704) 687-6131 <u>Ifhodges@uncc.edu</u>		Virtual Huma We all know w the outside, b inside our boo images create the human boo inside, out.
		Earthquake T Building Bette are made to v time. But the that can survi See how simu earthquake h homes in real
		Prior Reports

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