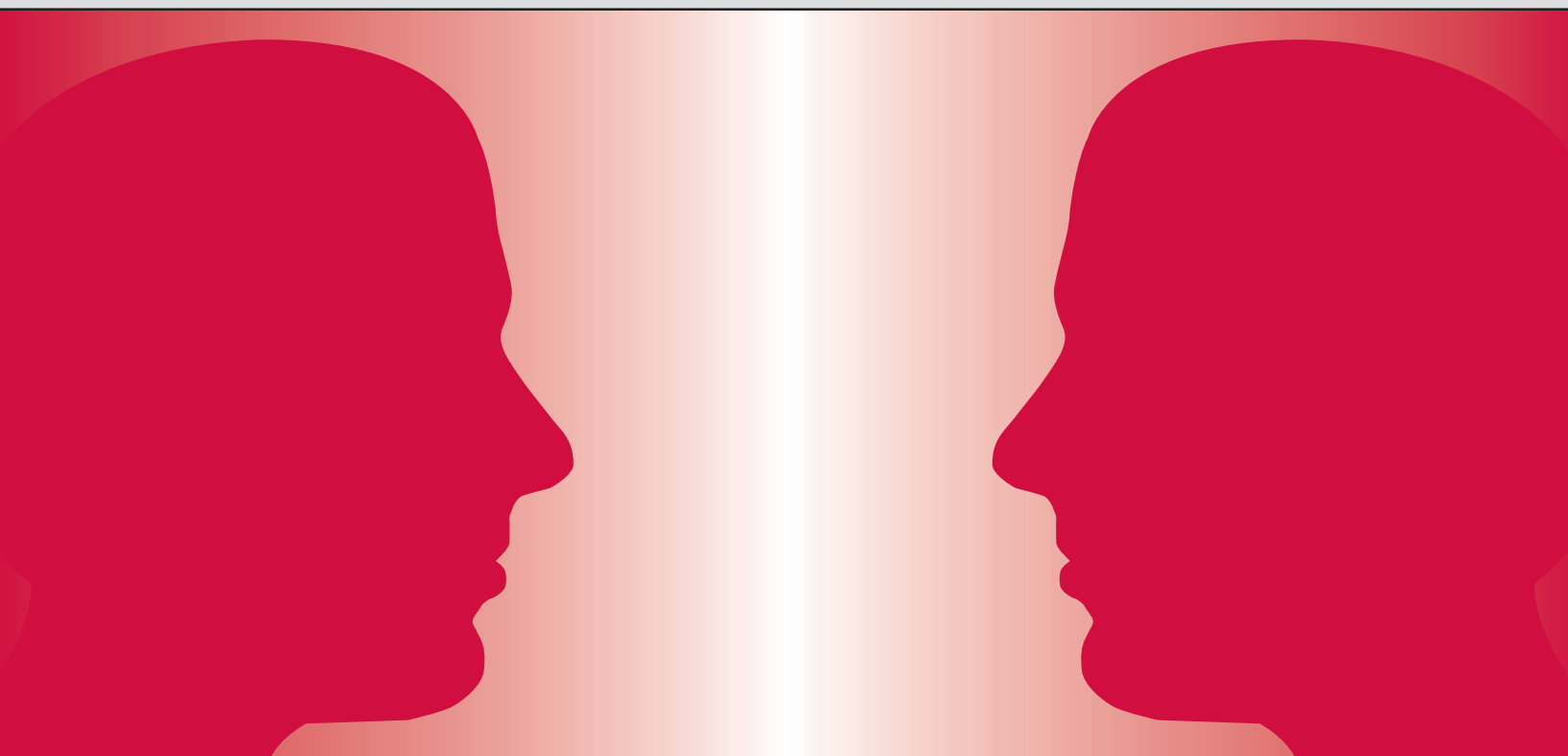


*Never let the future disturb you.
You will meet it, if you have to, with the same weapons of reason
which today arm you against the present.*

Marcus Aurelius Antoninus, "Meditations" 200 AD

The Institute for the Humanities at Salado
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THE HUMAN EDGE: TECHNOLOGY, MANKIND AND THE FUTURE

Michio Kaku, Ph.D. - Zvi Yaniv, Ph.D. - Benjamin Kuipers, Ph.D. - Doug Lenat, Ph.D. - John Gearhart, M.D.

The Institute for the Humanities at Salado Spring 2005 Lecture/Seminar Series



Michio Kaku, Ph.D.
Theoretical Physics

Dr. Kaku holds the Henry Semat Professorship in Theoretical Physics at the City University of New York. As co-founder of string field theory, Dr. Kaku has continued Einstein's quest to find the "theory of everything," an equation that would unify all four fundamental forces of the universe. From interviews to documentaries, Dr. Kaku explains the most fascinating and complex ideas in science today — superstring theory, supergravity and hadronic physics — in ways elegant and easy to understand. His most popular and best-selling books include "Hyperspace" and "Visions: How Science Will Change the Twenty-First Century." He is also the host of Explorations, a weekly science program carried on radio stations around the country. He was featured on NOVA and the PBS documentaries: Einstein Revealed, Stephen Hawking's Universe, and Science Odyssey.

Saturday - March 5

PARALLEL WORLDS, HYPER-SPACE, STRINGS AND THE MIND OF GOD

Lunch with the Speaker:
11:30 a.m. - 1:30 p.m.
Stagecoach Inn

Lecture/Reception:
5:00 p.m. - 7:00 p.m.
Mill Creek Inn



Ivi Yaniv, Ph.D.
Nanotechnology

Dr. Yaniv is President and CEO of Applied Nanotech, a company that conducts research on carbon nanotubes — molecular-sized cylindrical structures used in building electronic displays. Dr. Yaniv is an authority in electro-optics, liquid crystal technology, amorphous semiconductors, technology commercialization and business management. He has published over 100 articles and holds more than 50 patents. In March 2000, Dr. Yaniv accepted the honorific title of Senior Research Fellow of the IC² Institute of the University of Texas. In addition to being a scientist and businessman, he is also an artist. In 1999, Dr. Yaniv introduced a new expression of kinetic art (Digital Window™), allowing static two- or three-dimensional artworks to become dynamic and interactive.

Sunday - March 20

NANOTECHNOLOGY - THE NEXT, LAST FRONTIER

Lecture/Reception:
4:00 p.m. - 6:00 p.m.
Celebration Center
216 Royal Street



Benjamin Kuipers, Ph.D.

Dr. Kuipers holds an endowed professorship in Computer Science at the University of Texas, where he has served as chairman of his department. His current research focuses on artificial intelligence, with a particular interest in the foundations of common sense knowledge. He works with robots to study how human and robot knowledge of space can be grounded in sensory and motor interaction with the physical world.

Saturday - April 2

WHAT BUILDING ROBOTS CAN TEACH US ABOUT THE MIND

Kuiper Saturday Seminar:
10:00 a.m. - 3:00 p.m.
Celebration Center



Doug Lenat, Ph.D.

Dr. Lenat is one of the world's leading computer scientists and the founder of the Cyc Project. Cyc, as in "en-cyc-lopedia," is the world's most ambitious artificial intelligence project. Its objective is to codify the millions of pieces of knowledge that comprise human common sense. In 1994, Lenat founded Cycorp to research, develop and commercialize artificial intelligence.

Sunday - April 3

COMPUTERS VS. COMMON SENSE

Lenat Lecture/Reception:
4:00 p.m. - 6:00 p.m.
Celebration Center



John Gearhart, M.D.
Biotechnology

Dr. Gearhart is professor of gynecology and obstetrics and of physiology at the Johns Hopkins University School of Medicine, holding a joint appointment in the Department of Biochemistry and Molecular Biology at the Bloomberg School of Public Health. Much of Dr. Gearhart's research career has focused on how genes regulate the formation of tissues and embryos. For decades he has tried to determine the exact causes of mental retardation and other congenital birth defects, and he has been outspoken in his advocacy of federal funding for further embryonic stem cell research. His work has profound implications for drug development and the treatment of diseases and injuries such as Lou Gehrig's Disease, diabetes, Parkinson's disease, stroke, and spinal cord injuries, and raises the possibility of growing human tissues in the laboratory to replenish failing organs.

Saturday - April 30

STEM CELLS: THE SCIENTIFIC AND ETHICAL ISSUES

Lunch with the Speaker:
11:30 a.m. - 1:30 p.m.
Stagecoach Inn

Lecture/Reception:
5:00 p.m. - 7:00 p.m.
Mill Creek Inn

LECTURE SERIES:	Four Lectures	\$120/person
INDIVIDUAL LECTURES:	<i>Individual lectures are \$40 for one and \$35 each for two or more</i>	
	Kaku, Sat. March 5	\$40/\$35 person
	Yaniv, Sun. March 20	\$40/\$35 person
	Lenat, Sun. April 3	\$40/\$35 person
	Gearhart, Sat. April 30	\$40/\$35 person
SATURDAY SEMINAR:	Kuipers, Sat. April 2	\$50/person
LUNCH WITH SPEAKER:	Kaku, Sat. March 5	\$35/person
	Gearhart, Sat. April 30	\$35/person
NANCY LEFLER SCHOLARSHIP FUND		\$10 suggested
	Total Amount Enclosed	\$

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* Spaces are available on a first-come, first-served basis.
* Lectures may be purchased individually.
* Members are welcome to register guests for the programs.