

The Future of Science

EVOLUTION



Venezia, 20-23 Settembre 2006



11 studenti del Liceo “Torricelli”, insieme a
4 ex studenti e al prof. Pezzi, hanno
partecipato a

THE FUTURE OF SCIENCE

una conferenza di portata mondiale
tenutasi a Venezia lo scorso settembre

organizzata dalle Fondazioni
Umberto Veronesi, Giorgio Cini, Silvio Tronchetti Provera



Il gruppo alla Fondazione Cini, sede della conferenza

- Gli studenti del “Torricelli” sono stati gli unici in Italia ad aver partecipato alla conferenza tutti e tre i giorni
- Tre giorni tra i più importanti scienziati, provenienti dalle Università più prestigiose del mondo: Harvard, Princeton, Santa Barbara, Stanford, Oxford, La Sapienza,

MARGHERITA HACK

Professore di Astronomia e
Astrofisica, Università di
Trieste



LUC MONTAGNIER

Presidente della Fondazione
Mondiale per la Ricerca e
Prevenzione dell' Aids





STEVEN PINKER

Professore al Dipartimento di
Psicologia, Harvard University, USA



MARC HAUSER

Professore di Psicologia, Harvard
University



DANIEL DENNETT

Professore Universitario,
Tufts University, USA



MICHAEL GAZZANIGA

Direttore del Sage Center per lo Studio della Mente, University of California, Santa Barbara



ANTONIO DAMASIO

Professore di Neuroscienza e Direttore del centro per lo studio della mente, University of Southern California



PETER ATKINS

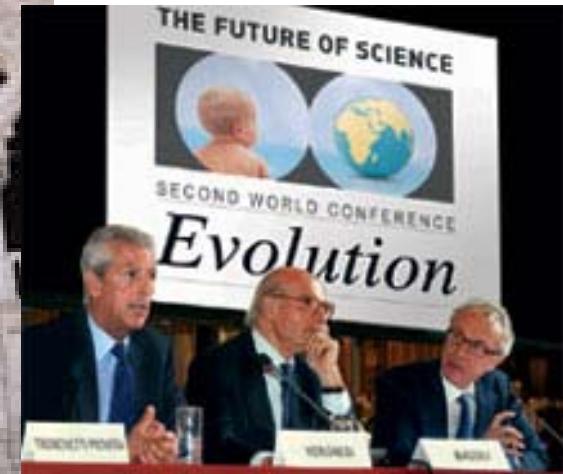
Professore di Chimica, University of Oxford, UK

- Tre giorni nello scenario incantevole della Fondazione Cini, all'Isola di S.Giorgio a Venezia





Dalla serata inaugurale a Palazzo Ducale...



**... al concerto in
onore dei
partecipanti
presso la
Scuola Grande
di San Rocco**



Tre giorni dedicati a:

- EVOLUTION OF MATTER

L'universo dal Big Bang al futuro

- EVOLUTION OF LIFE

Il Darwinismo alla luce della moderna genetica

- EVOLUTION OF MIND

Una storia naturale della cultura

Lisa Randall
The Evolution of the Universe

Paolo de Bernardis
Formation of first cosmological structures

Günther Hasinger
X-ray view of the formation of the first objects in the Universe

Margherita Hack
From megastars to galaxies, from galaxies to stars

Panel discussion

EVOLUTION OF MATTER L'universo dal Big Bang al futuro

Chair: Franco Pacini

Giovanni Bignami
Exploring our evolving Universe from Space

Lodewijk Woltjer
Exploration of the Universe from Earth

Luigi Piro
The brightest explosions in the Universe

Willy Benz
Extra-solar planets and the search for life

Panel discussion

**ROUND TABLE: Evolution and Society: how evolution is perceived by society
and by educators**

(in collaboration with Observa-Science in Society)

Chair: Telmo Pievani

*Participants: Gaspare Barbiellini Amidei, Massimiano Buochi, Gilberto Corbellini,
Marco Ferraguti, Giovanni Puglisi*

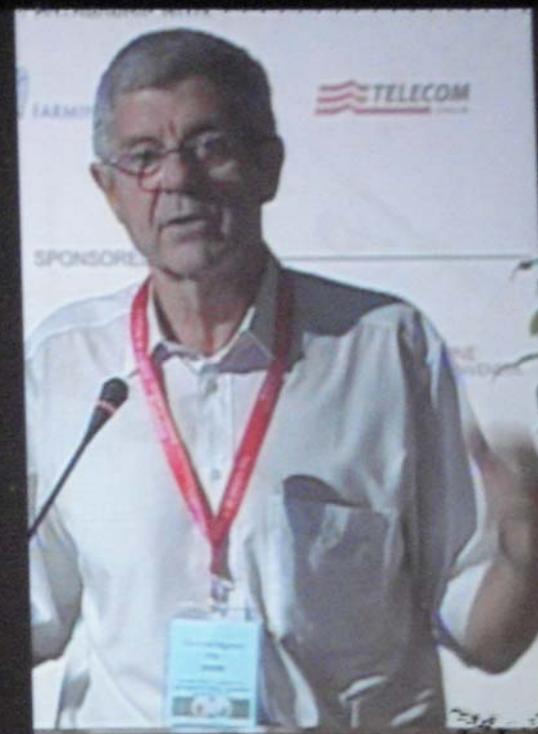




Where are you?

models as a great success although it explains < 4% of our

, dark matter





EVOLUTION OF LIFE

Il Darwinismo alla luce della moderna genetica

Chair: Peter Atkins

Edoardo Boncinelli
Biological evolution today

Denis Duboule
Genomes and Evolution

Ian Tattersall
Patterns in human evolution and the human biological future

Tecumseh Fitch
The Brotherhood of Species and the Future of Biology

Luigi Luca Cavalli Sforza
Interplay of genetics and culture

Panel discussion

ROUND TABLE: Evolution in Science and Culture: how evolution influences all currents of thought

Chair: Edoardo Boncinelli

Participants: Daniel Dennett, Irenäus Eibl-Eibesfeldt, Tecumseh Fitch, Marc Hauser, Steven Pinker, Ian Tattersall

AIRC Conversation: Evolution and Cancer

Participants: Edoardo Boncinelli, Giulio Girello

Friday, September 22, 2006

...Evolution of Life

Darwinism in the light of modern genetics

Round Table:

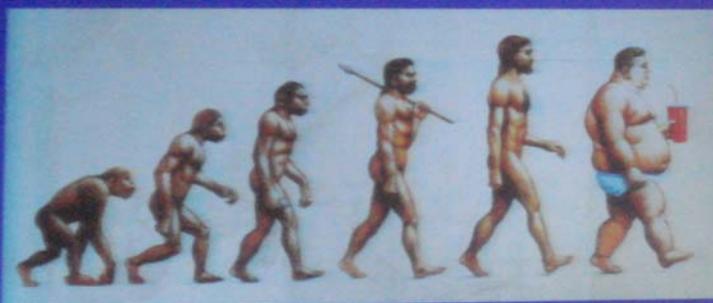
*Evolution in Science and
Culture: how evolution
influences all currents of
thought*

Participants:

Daniel Dennett, Denis Duboule, Irenäus Eibl-Eibesfeldt,
J. Fitch, Marc Hauser, Steven Pinker, Ian Tattersall

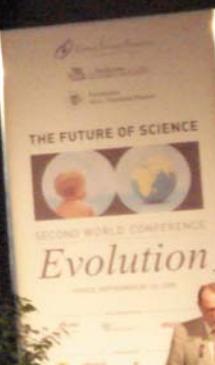


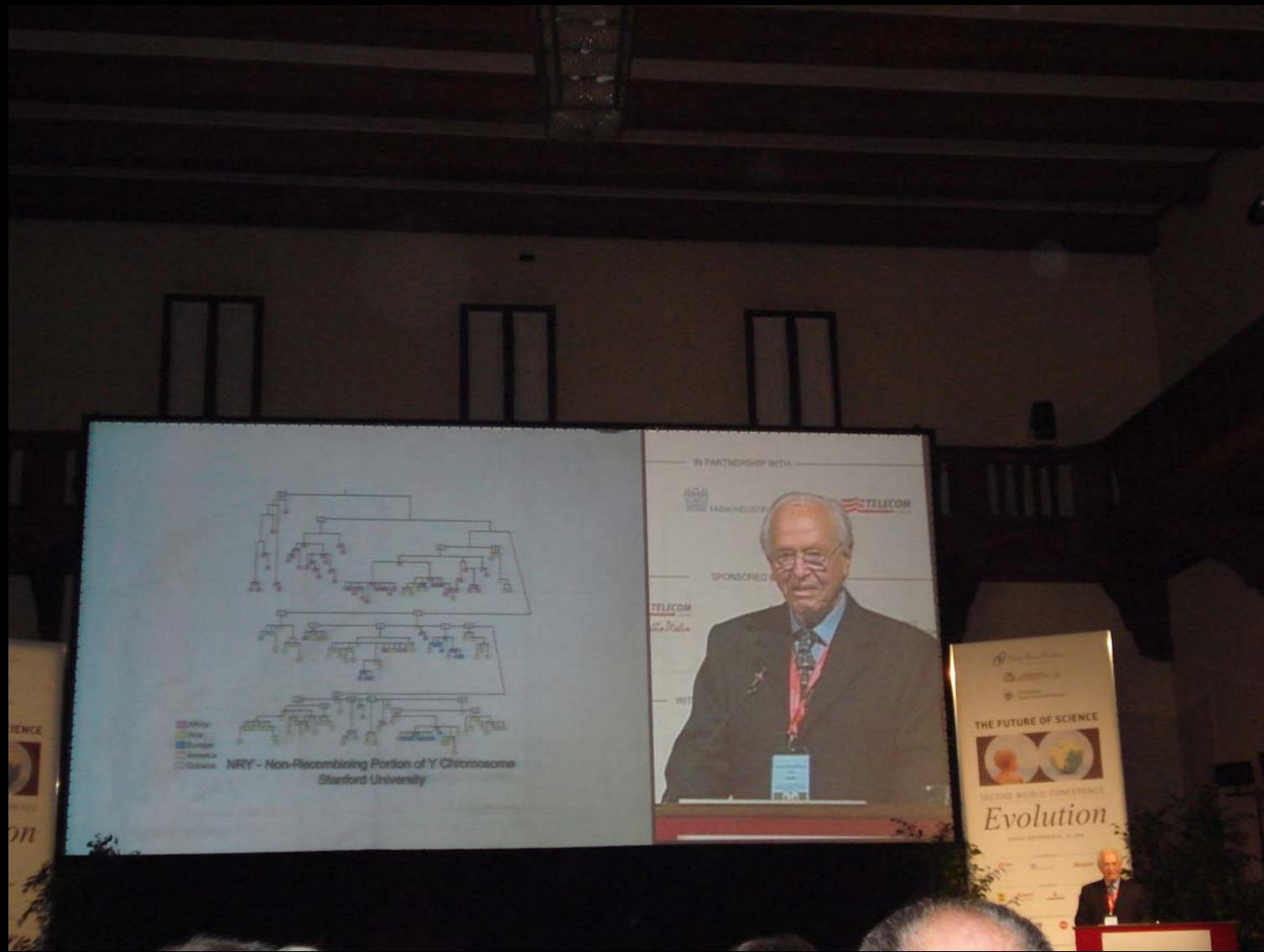
Patterns in Human Evolution and The Human Biological Future



Ian Tattersall
American Museum of Natural History

NICE, SEPTEMBER 20-23, 2006









Chair: Giulio Giorello

Steven Pinker

The Cognitive Niche

Marc Hauser

Evolution of a Universal Moral Grammar

Michael Gazzaniga

Are Human Brains Unique?

Antonio Damasio

The Emotions in Evolution: a Neurobiological Perspective

Irenäus Eibl-Eibesfeldt

Final remarks

Panel discussion

EVOLUTION OF MIND

Una storia naturale della cultura

Chair: Marcelo Sánchez Sorondo

Tomaso Poggio

Finally: coevolution of neuroscience and AI?

Maurizio Martelli

A Computer Science Perspective

Philip Pettit

The Evolution of Norms

Daniel Dennett

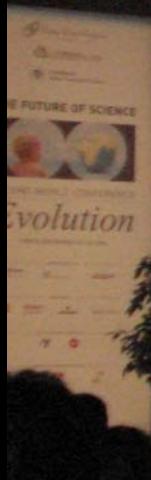
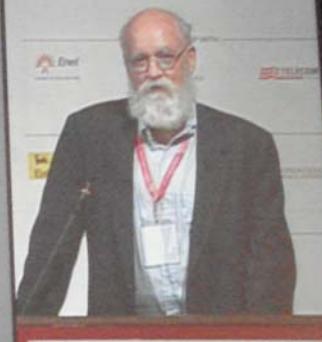
The Domestication of the Wild Memes of Religion

Panel discussion

Domesticating the Wild Memes of Religion

2nd World Conference
On the Future of Science
Venice, September 2006

VENICE, SEPTEMBER 20 - 23, 2006



Two Evolutionists



EVOLUZIONE

VENICE, SEPTEMBER 2012





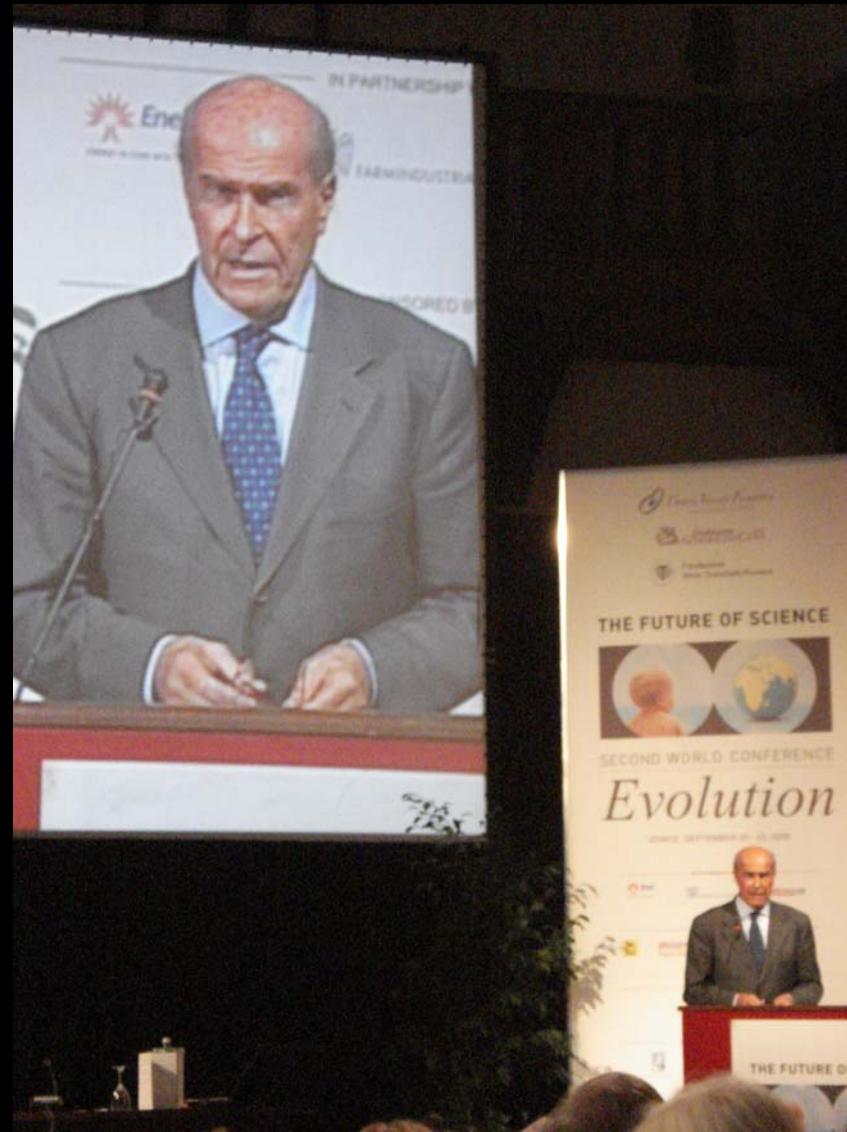
Saturday, September 23, 2006
— Evolution of Mind
A century's history of evolution

Final remarks

Irenäus Eibl-Eibesfeldt

Professor, Humanethologische Filmmuseum Max-Planck
Gesellschaft und Humanwissenschaftliches Zentrum der
Ludwig-Maximilian-Universität München, Germany





I NOSTRI INCONTRI RAVVICINATI



UMBERTO VERONESI, Presidente della Conferenza

EDOARDO BONCINELLI



Professore di
Genetica e Biologia,
Università di Milano

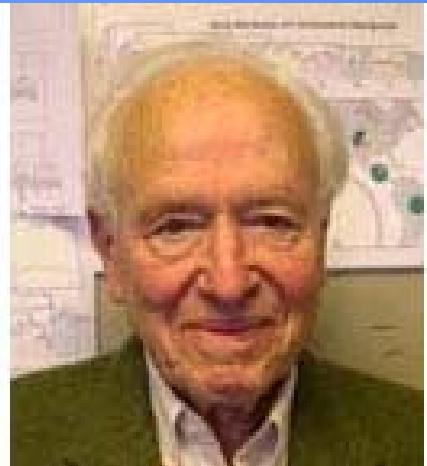




**GÜNTHER GUSTAV
HASINGER**
Astrofisico
Direttore del Max Planck
Institute, Garching, Germania

LISA RANDALL
Professore di Fisica, Harvard
University



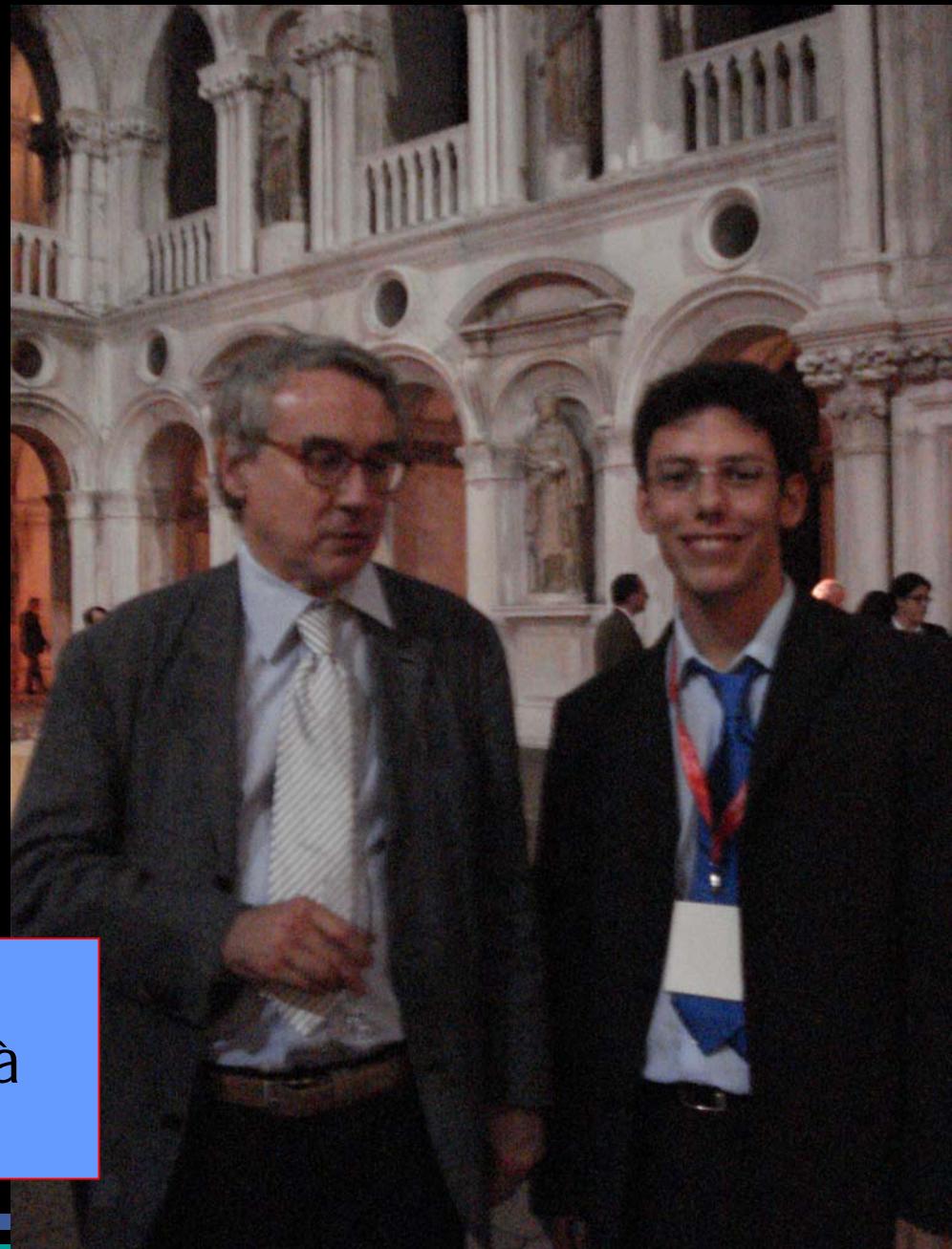


LUIGI LUCA CAVALLI SFORZA

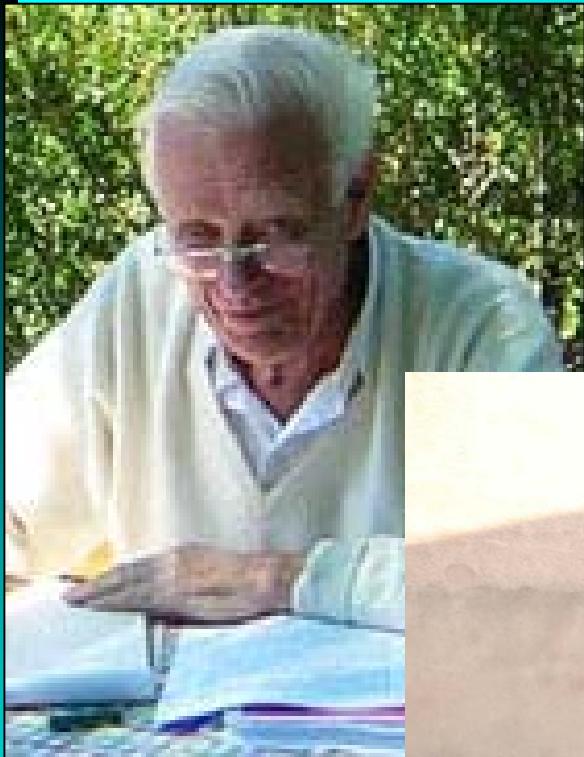
Professore di
Genetica
Umana,
Stanford
University,
California,
USA



GIULIO GIORELLO



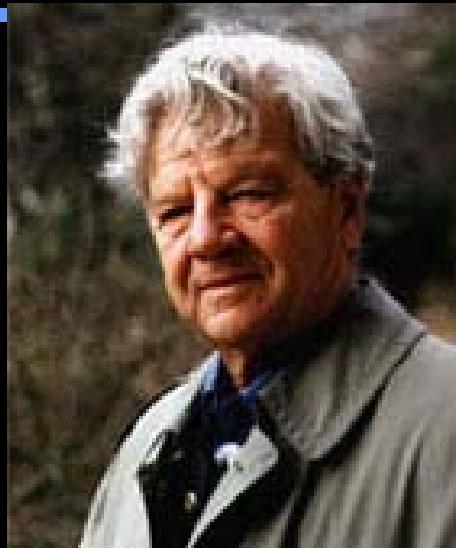
Professore di Filosofia
della Scienza, Università
degli Studi, Milano



LODEWIJK WOLTJER

Professore di Astronomia e astrofisica
Francia



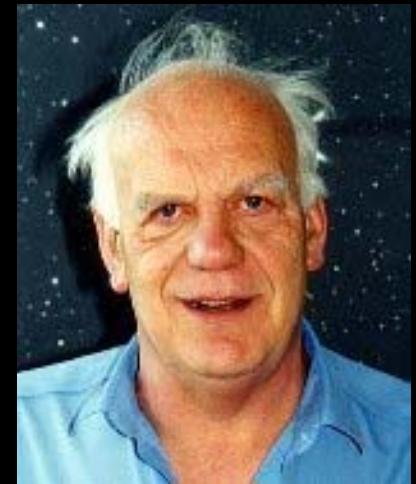


IRENÄUS EIBL-EIBESFELDT

Università di Monaco, Germania



FRANCO PACINI



Professore di
Astronomia e
Astrofisica,
Università di
Firenze

VENICE 2007

Prossima
conferenza
Settembre 2007
L'energia



THE FUTURE OF SCIENCE



THIRD WORLD CONFERENCE

Energy

VENICE, SEPTEMBER 19 - 22, 2007