



FORUM 2006

JamesMartinInstitute  
for science and  
civilization

FIRST WORLD FORUM ON  
SCIENCE AND CIVILIZATION

TOMORROW'S PEOPLE:  
THE CHALLENGES OF  
TECHNOLOGIES FOR LIFE  
EXTENSION AND ENHANCEMENT

SAID BUSINESS SCHOOL, UNIVERSITY OF OXFORD,  
14-17 MARCH 2006



oxford  
SAID BUSINESS SCHOOL

For some, the promise of new technology will herald a brave new world of peace and plenty for all. For others it presages a dark and dangerous corruption of the human spirit. Yet others suggest that humanity may creatively muddle through.

**Tomorrow's People: the Challenges of Technologies for Life Extension and Enhancement** will take a close look at what some characterise as the next stage of evolution: conscious efforts by human beings to reshape their inherited physical, cognitive and emotional identities by extending lifespan and enhancing human capacities. It will examine the range of technologies offering lives that purport to be longer, stronger, smarter and happier.

Leading scientists, scholars, business executives, policy makers, religious leaders and citizens will come together to explore what the promise of such technology means in different parts of the world, the implication for our ideas about what it means to be human, and whether and how such technology should be governed.



- WILL OUR CHILDREN LIVE TO BE 160?
- WILL THE REPLACEMENT OF DAMAGED HUMAN BODY PARTS BECOME ROUTINE MAINTENANCE?
- WILL OUR BRAINS BE CONNECTED TO EACH OTHER AND TO EXTRAORDINARY COMPUTER CAPACITY THROUGH WIRELESS NANO INTERFACES?
- WILL DRUGS ROUTINELY ALTER OUR EMOTIONS AND COGNITIVE CAPACITIES?
- WILL SOME BE LEFT BEHIND OR CHOOSE TO REJECT THE TECHNOLOGY OF LIFE EXTENSION AND ENHANCEMENT?
- WILL THE HUMAN RACE DIVIDE INTO TWO DISTINCT SPECIES?

# SESSION TOPICS

## THESE WILL INCLUDE:

**RADICAL EVOLUTION:** What is it and what will it mean for humanity?

**REGIONAL PERSPECTIVES:** How are the prospects of radical human evolution viewed around the world?

**LIVING LONGER:** What are the prospects for radical life extension?

**LIVING STRONGER:** How will humans re-engineer the human body?

**LIVING SMARTER:** What are the implications of cognitive enhancement?

**LIVING HAPPIER:** What makes us happy and can it be bottled?

**A FAIRER WORLD:** What are the implications for human inequality?

**THE MEANING OF HUMAN NATURE:** What is natural about us and does it matter?

**THE GOVERNANCE OF HUMAN TRANSFORMATION:** Is transformation a consumer choice or an imperative to exercise social responsibility?

**SHAPING ALTERNATIVE FUTURES:** Can we choose our future?



# KEYNOTE SPEAKERS

## JOEL GARREAU

Writer and Cultural  
Revolution  
Correspondent for the  
Washington Post

## PETER SCHWARTZ

Futurist and business  
strategist, co-founder  
and chairman of the  
Global Business  
Network

PLENARY SESSIONS AND  
KEYNOTE LECTURES FROM  
THE FORUM WILL BE  
STREAMED LIVE TO THE  
INTERNET DURING THE  
CONFERENCE AND WILL ALSO  
BE AVAILABLE THROUGH A  
DIGITAL ARCHIVE. WE  
STRONGLY ENCOURAGE  
REMOTE PARTICIPATION BY  
INDIVIDUALS AND GROUPS  
WHO ARE NOT ABLE TO  
ATTEND THE CONFERENCE.  
RESPONSES TO THE PLENARY  
SESSIONS WILL BE GATHERED  
INTO A PUBLISHED ARCHIVE.  
FOR DETAILS CONTACT  
JAMES.TANSEY@SBS.OX.AC.UK

# SPEAKERS AND PANELLISTS

CONFIRMED  
PARTICIPANTS INCLUDE:

Professor William  
Bainbridge, US National  
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Dr Nick Baylis,  
University of Cambridge

Dr Donald Bruce,  
Church of Scotland

Dr Nick Bostrom,  
University of Oxford

Professor Mary Douglas,  
University of Oxford

Professor Jean-Pierre  
Dupuy, Ecole  
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Dr Elie Faroult,  
European Commission

Professor Toshio Fukuda,  
Nagoya University

Baroness Susan  
Greenfield, University  
of Oxford

Dr Aubrey de Grey,  
Cambridge University

Baroness Sally  
Greengross, House of  
Lords

Professor Anil Gupta,  
Indian Institute of  
Management

Professor Robin Hanson,  
George Mason University

Dr Sarah Harper,  
University of Oxford

Dr Ellen Heber-Katz,  
Wistar Institute

Mr Paul Hodge,  
Harvard University

Dr James Hughes, Trinity  
College, Connecticut

Ms Rachel Hurst, Disability  
Awareness in Action

Professor Hwang Woo-Suk,  
Seoul National University

Dr Alex Kalache, World  
Health Organization

Professor Tom Kirkwood,  
University of Newcastle

Lord Richard Layard,  
London School  
of Economics

Ms Suzi Leather, UK  
Human Fertilization and  
Embryology Authority

Dr Wolfgang Lutz,  
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Applied Systems Analysis

Dr James Martin,  
Author

Professor Richard Miller,  
University of Michigan  
Medical School

Mr Pankaj Mishra, Author

Professor Alfred  
Nordmann, Technical  
University, Darmstadt

Dr David Nutt,  
University of Bristol

Professor Jay Olshansky,  
University of Illinois

Dr Pei Xuetao, Beijing  
Institute of Transfusion  
Medicine

Professor George Poste,  
Arizona State University

Sir Martin Rees,  
Cambridge University

Professor Arie Rip,  
University of Twente,  
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Professor Trevor  
Robbins, University of  
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Professor Daniel  
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University

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Savulescu, University  
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Ms Elizabeth  
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of Reading

Professor Gregor  
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of Calgary

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National Centre for  
Biotechnology  
Development, China

Dr Zhao Yandong,  
National Research  
Centre for S&T for  
Development, China



# PRINCETON LECTURES

The World Forum on Science and Civilization will coincide with the inauguration of the Princeton Lectures, to be given each year at the James Martin Institute for Science and Civilization with the generous support of Princeton University Press.

The series of three lectures will be offered to delegates and the general public on the evenings of the 14, 15, and 16 March in the Nelson Mandela Auditorium of the Saïd Business School. This year's lecturer is Professor John Harris of the University of Manchester on the theme of human enhancement, justice and rights.

# FORUM SPONSORS

**Major financial support for the World Forum on Science and Civilization is provided by:**  
→ James Martin Institute for Science and Civilization, University of Oxford  
→ Consortium for Science Policy and Outcomes, Arizona State University  
→ Foresight Programme, UK Department of Trade and Industry

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→ Demos  
→ Global Generations Policy Institute  
→ Oxford Institute of Ageing  
→ Future of Humanity Institute  
→ Oxford Internet Institute  
→ The Institute for the Future of the Mind, Oxford

# REGISTRATION

FEE £300

**INCLUDES:**

- Delegates pack and entry to all sessions and the Princeton Lectures.
- Coffee, tea and lunch on each of the three days.
- Ticket for Conference dinner in Keble College Hall on Thursday 16 March.

College accommodation has been pre-reserved for 300 delegates and will be charged at cost on booking.

**WORCESTER COLLEGE**  
Bed and breakfast with ensuite facilities £80/night (twin option £115)

Bed and breakfast with shared facilities £45/night

**KEBLE COLLEGE**  
Bed and breakfast with ensuite facilities £70/night

Oxford has a number of hotels and guesthouses for those wishing to make their own arrangements.

A number of Research Student Bursaries, for full time graduate students, covering the full fee and accommodation for three nights with shared facilities are available and will be awarded in February 2006. For full details, see the website or contact sara.ward@sbs.ox.ac.uk.

REGISTRATION, THROUGH THE INSTITUTE WEBSITE AT  
WWW.MARTININSTITUTE.OX.AC.UK FROM 1 NOVEMBER 2005.



## THE JAMES MARTIN INSTITUTE AND OXFORD UNIVERSITY'S SCHOOL OF THE 21ST CENTURY

The Forum is being organised by the James Martin Institute for Science and Civilization at the University of Oxford ([www.martininstitute.ox.ac.uk](http://www.martininstitute.ox.ac.uk)).

The Institute was established in 2004 to understand, through social science research, the technologies with the greatest capacity to shape our futures during the 21st century and the key choices involved in developing them. Its work complements a number of other institutes at Oxford which bring interdisciplinary research to bear on complex problems of our times under the auspices of the School of the 21st Century ([www.21school.ox.ac.uk](http://www.21school.ox.ac.uk)), founded in June 2005. The School and its constituent Institutes are funded by a generous benefaction from Dr James Martin, one of the world's leading figures in information technology and thinking about the future.



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