

18 APRIL 2012

29 AWARD
CEREMONY
WORLD CULTURAL COUNCIL

AARHUS UNIVERSITY
DENMARK



AARHUS UNIVERSITY

INVITATION

The World Cultural Council and Aarhus University are pleased to invite you to the 2012 Award Ceremony for the

“Albert Einstein”
World Award of Science & “José Vasconcelos”
World Award of Education

These awards will be conferred on eminent pioneers in their respective fields in honour of their tireless efforts to advance human culture and wellbeing.

Special acknowledgements will be granted to eight young, distinguished Danish researchers.

DATE: Wednesday, 18 April 2012
TIME: 18.00. A reception will take place at 19.30
PLACE: The Main Hall
Aarhus University
Nordre Ringgade
DK-8000 Aarhus C
Denmark
RSVP: www.excellence2012.dk

The 29th Award Ceremony will be held within the framework of the conference *Excellence Revisited – the Value of Excellence*.

This conference will take place at Aarhus University from 18 to 20 April 2012 and is one of the major events of the Danish EU Presidency 2012.

Please join us at Aarhus University for the Award Ceremony and the Excellence Conference in April. Register at www.excellence2012.dk

Find more information about the conference on pages 12-13.

light |lit|

noun

- 1 the natural agent that stimulates sight and makes things visible
• a source of illumination
- 2 understanding of a problem or mystery; enlightenment
- 3 a person notable or eminent in a particular sphere of activity or place

verb

- (past and past part. lit |lit| or lighted) [intrans.]
1 (light on/upon) come upon or discover by chance : *he lit on a possible solution.*
• (light on) fall and settle or land on (a surface)



It is my great pleasure to announce that on 18 April 2012 the World Cultural Council will be celebrating its 29th Award Ceremony at Aarhus University on the occasion of the conference Excellence Revisited – the Value of Excellence, one of the major events organized by the Danish EU Presidency 2012.

Aarhus University is one of the leading European research universities, whose commitment to the development of talent, as well as interdisciplinary and international collaboration, highlights the responsibility of scholars in general, and that of the university in particular. If we consider education to be the cornerstone of progress, we cannot underestimate the importance of knowledge both in individual development and in the development of society as a whole. The World Cultural Council and Aarhus University are underpinned and linked by these concerns; one of the fundamental precepts of the World Cultural Council is to remain attentive to the responsibility of science and culture in tomorrow's world.

To our mind, the annual Award Ceremony is a way of bringing to the fore the values that guide us and attest to our confidence in the virtues of the scientific approach, educational advancement and artistic inventiveness.

In rewarding outstanding individuals, we pay tribute to their superior and remarkable achievements and to their unrelenting efforts to forge ahead. Their hard-earned breakthroughs in the fields of knowledge, learning and creativity have rendered an invaluable service to mankind and improved the welfare of all of us who share this planet.

It is the first time that this celebration will be held in the spring, a clear indication of the burgeoning tasks of the World Cultural Council.

Edmond H. Fischer
President, World Cultural Council



It is my great pleasure to welcome you to Aarhus University for the 29th Award Ceremony of the World Cultural Council. It is a great honour to host this event and to reward extraordinary achievements by presenting awards and granting special recognition to outstanding researchers.

This year's Award Ceremony will be held within the framework of the conference Excellence Revisited – the Value of Excellence. It is a privilege to be able to bring two such important events together in order to acclaim and bring into focus talent and outstanding achievements.

We need to educate and nurture talent in order to foster exceptional researchers with ambitious ideas and ingenious minds. The challenges facing society today call for academic breakthroughs and the courage to seek new insight. They require us to search the depth for solid ground.

This can be done by stimulating curiosity-driven research and by encouraging interdisciplinary and innovative answers to the challenges of tomorrow.

For Aarhus University it is a special privilege to host the celebration and honouring of outstanding researchers, as the theme of excellence resonates very well with the priorities and overall focus of our university and its strategy. We believe in a university that strives to create excellent research environments, where talented young researchers engage in global academic networks and are given the freedom to pursue the unexpected. They hold the key in our endeavour to bring progress to science and benefit to mankind.

Welcome to Aarhus University.
Solidum petit in profundis.

Lauritz B. Holm-Nielsen
Rector, Aarhus University

THE WORLD CULTURAL COUNCIL



The World Cultural Council (WCC) is a Mexico-based international organisation which seeks to foster culture, values and goodwill throughout the world. One of its central activities is to grant the Albert Einstein World Award of Science, the José Vasconcelos World Award of Education and the Leonardo da Vinci World Award of Arts to men and women whose work has substantially enhanced the cultural legacy of mankind.

It was in 1981, backed by distinguished personalities, scholars, university presidents and organisation executives from the world over, that the WCC was founded. Several Nobel laureates figure among the Council's members.

MISSION AND AIMS OF THE WORLD CULTURAL COUNCIL

The mission of the World Cultural Council is to increase the efficient and positive use of knowledge and promote fraternity among people, nations and governments, based on true understanding among all, regardless of ideology, opinion, religion, race or gender. The aim is to forge and further relationships with and among prestigious scientific, educational and cultural organisations worldwide, fostering a culture of wellbeing, peace and fraternity across the globe.

THE MOST IMPORTANT OBJECTIVES OF THE WORLD CULTURAL COUNCIL ARE

- To establish relations with the most important scientific, cultural, educational and social institutions throughout the world.
- To compile data and useful research aimed at improving the social, cultural, moral and spiritual advancement of humankind.
- To reward scientific research which brings progress to mankind.
- To bring together top-level scientists, educators and researchers in order to foster constant and enriching communication.
- To recognise educational contributions that have had a significant influence on the advancement of the scope of culture.
- To promote art in all its expressions and reward those artists whose work is most deserving of world recognition.

THE AWARDS 2012

The World Cultural Council acknowledges individuals or organisations that have made exceptional achievements in science, education and the arts; it does so by granting the Albert Einstein World Award of Science, the José Vasconcelos World Award of Education and the Leonardo da Vinci World Award of Arts to those whose work has had a significantly positive impact on the cultural legacy of mankind. The exceptional quality of the jury, comprised of world-renowned eminences in the above fields, enhances the kudos of the awards.

We hope that our work will bolster the foundations of a new civilisation in which humans and nature coexist in equilibrium, where misunderstanding and prejudice among groups and nations no longer exist, suffering is greatly reduced, and every person lives in freedom and peace in the pursuit of individual and collective fulfilment. The World Cultural Council will continue through this new century to strengthen and expand its work, annually rewarding excellence in those who strive to better the planet through their positive convictions and unflagging dedication.

The Albert Einstein World Award of Science was created as a means of recognition, and as an incentive to scientific and technological research and development. It particularly focuses on research which has brought true benefit and wellbeing to mankind. It is awarded annually.



The José Vasconcelos World Award of Education is an acknowledgement to those who have the all-important labour of teaching the underlying bases of our civilisation. The prize is awarded every other year.



PROFESSOR MICHAEL GRÄTZEL



The members of the Interdisciplinary Committee have chosen Professor Michael Grätzel, Director of the Laboratory of Photonics and Interfaces at École Polytechnique Fédérale de Lausanne, Switzerland as the winner of the 2012 Albert Einstein World Award of Science for his outstanding accomplishments for the welfare of mankind and the health of the planet. He has arguably solved one of the foremost technical problems in the field of energy and sustainability that we face today through a major contribution, namely the development of the dye-sensitized solar cell, known as the DSC or Grätzel Cell.

Professor Michael Grätzel's achievements meet the criteria for the Albert Einstein World Award of Science of bringing *true benefit and wellbeing to mankind* through their importance in the development of much-needed alternative energy sources.

Grätzel cells are likely to play a major role in low-cost, large-scale solutions for renewable energy. Besides photovoltaics, the concepts of Grätzel cells can also be applied in batteries and hydrogen production, all important components of future energy needs. The excellent price/performance ratio of these novel devices gives them major potential as a significant contributor to the diverse portfolio of future energy technologies. On the basis of cost, efficiency, stability and availability, as well as environmental compatibility, DSC cells are a viable contender for large-scale solar energy conversion systems.

Since his appointment as Professor of Physical Chemistry at the École Polytechnique Fédérale de Lausanne in 1977, Michael Grätzel's research has been dedicated to the conversion of solar energy. His results in the field of the photodissociation of water into hydrogen and oxygen, as well as his discovery of a process for

the low temperature methanation of carbon dioxide, gained him broad international recognition and spurred a global research momentum that has led to several thousand scientific articles on redox photocatalysis.

Professor Grätzel has received wide recognition for his scientific excellence. He is honorary doctor or professor of eleven universities worldwide. He has been awarded several major science prizes, among them the European Grand Prize of Innovation and Technology (2000), the Faraday Medal of the Royal Society of Chemistry (2001), the Balzan Prize (2009), the one million euro Millennium Technology Grand Prize (2010) and most recently the Gutenberg Research Award (2011).

His publications and patents include over 900 research papers in peer-reviewed scientific journals and 60 reviews or invited book chapters. He is the inventor or co-inventor of over 50 patents and the editor, author or co-author of three books. His publications have received 82,661 citations, placing him amongst the 10 most highly cited chemists in the world.

Chemistry for energy is currently one of the most important research topics for the future of our society and for mankind worldwide.

PROFESSOR HANS ULRICH GUMBRECHT



Professor Hans Ulrich Gumbrecht, Albert Guérard Professor in Literature in the Departments of Comparative Literature of French & Italian, Spanish & Portuguese at Stanford University, USA, has been selected as the winner of the José Vasconcelos World Award of Education 2012.

The prize is awarded for his prolific humanistic research and outstanding influence across continents as a scholar and ground-breaking philosopher.

Hans Ulrich Gumbrecht has published extensively on Spanish, French, German, Italian, Argentine and Brazilian literatures and cultures (approximately 1,500 titles), and is regularly present in influential European, American, and South American newspapers and journals. He is regarded as one of the most powerful cultural mediators between America and Europe, as well as between North and South America.

From his many publications, we cite just a few: *Production of Presence*, as a new way of understanding the meaning of the past for the present, *In Praise of Athletic Beauty*, *The Powers of Philology*, and *1926 – Living on the Edge of Time*, all containing revolutionary theories on time, space and culture.

Professor Gumbrecht has, in particular, opened up fresh perspectives on the so-called historical humanities, developing an original concept that teaches us to look at the presence of the past as a possibility of our own present. Proving that the present is not merely the linear result of its preceding conditions, Gumbrecht encourages the view that history offers a whole arsenal of opportunities which are embedded in the highly complex structures of our present.

Furthermore in his *Stimmungen Lesen* we see a similarity between the work of Hans Ulrich Gumbrecht and the ideals of José Vasconcelos, who believed that the most minimal aspects of cognition are conditioned by sympathy for the natural "vibration" and thus stressed the auditory categories of knowledge. By using the German term *stimmung*, Gumbrecht takes up the idea of "rhythm" or "vibration" and also believes auditory categories to be of a higher status than visual ones.

Hence, the work of Hans Ulrich Gumbrecht not only has immense influence worldwide, but also bears proximity to the thought of José Vasconcelos.

Professor Gumbrecht's education took him from the University of Munich, where he studied Romance and German Studies, to the universities of Regensburg, Salamanca, Constance and others.

In addition to his current position, he is also Associate Professor in Montréal, Directeur d'Études at the École des Hautes Études en Sciences Sociales in Paris, Professeur attaché au Collège de France, and a member of the American Academy of Arts and Sciences. Moreover he holds multiple visiting professorships at universities on the American continent, Europe, Japan and South Africa, as well as honorary doctorates at eight universities, including Aarhus University.

OUR JOURNEY

The World Cultural Council has been holding its Award Ceremonies since 1984. Each ceremony takes place in a different country, with a renowned university or institute acting as host. The award ceremonies have the dual function of encapsulating an international community of outstanding scientists, educators and artists while acknowledging the ethical dignity of the awardees.

1992

CANADA, The National Research Council
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Raymond U. Lemieux, Canada
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Elliot Eisner, USA

2008

USA, Princeton University, New Jersey
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Ada Yonath, Israel
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor William G. Bowen, USA

1989

USA, Massachusetts Institute of Technology
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Dr. Martin Kamen, USA
LEONARDO DA VINCI WORLD AWARD OF ARTS
Acropolis Preservation Group, Greece

2010

MÉXICO, Universidad Autónoma del Estado de México
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Dr. Julio Montaner, Canada/Argentina
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Christian Azar, Sweden

2007

MÉXICO, Universidad Autónoma de Nuevo León
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Fraser Stoddart, USA
LEONARDO DA VINCI WORLD AWARD OF ARTS
Professor Anne Moeglin-Delcroix, France

2006

MÉXICO, National Polytechnic Institute
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Ahmed Zewail, USA
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Marlene Scardamalia, Canada

2005

MÉXICO, Universidad Autónoma de Nuevo León
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor John J. Hopfield, USA
LEONARDO DA VINCI" WORLD AWARD OF ARTS
Architect Enrique Norten, México

2001

NETHERLANDS, Utrecht University
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Niels Birbaumer, Germany
LEONARDO DA VINCI WORLD AWARD OF ARTS
Painter Edna Hibel, USA

1996

UNITED KINGDOM, University of Oxford
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Alec Jeffreys, United Kingdom
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Roger Gaudry, Canada

2002

IRELAND, Trinity College
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Daniel Janzen, USA
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Jeannie Oakes, USA

1999

NORWAY, Norwegian University of Science and Technology
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Dr. Robert Weinberg, USA
LEONARDO DA VINCI WORLD AWARD OF ARTS
Artist and Sculptor Magdalena Abakanowicz, Poland

1985

SWEDEN, Royal Institute of Technology
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Werner Stumm, Switzerland
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Dr. Dolores Hernandez, Philippines

2003

FINLAND, University of Helsinki
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Martin Rees, United Kingdom
LEONARDO DA VINCI WORLD AWARD OF ARTS
Sculptor and Sky Artist Otto Piene, Germany

2011

ESTONIA, University of Tartu
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Geoffrey Alan Ozin, Canada
LEONARDO DA VINCI WORLD AWARD OF ARTS
Visual artist, writer, inventor and polymath Todd Siler, USA

2009

BELGIUM, University of Liège
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Sir John Houghton, United Kingdom
LEONARDO DA VINCI WORLD AWARD OF ARTS
Artist Marcell Jankovics, Hungary

2004

BELGIUM, University of Liège
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Ralph J. Cicerone, USA
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Sir David Attenborough, United Kingdom

1987

GERMANY, University of Heidelberg
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Hugh E. Huxley, United Kingdom

1990

SWITZERLAND, Eidgenössische Technische Hochschule
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Gustav Nossal, Australia
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Lev Shevrin, Russia

1997

THAILAND, Chulalongkorn University
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Jean-Marie Ghuysen, Belgium

2000

SOUTH AFRICA, Witwatersrand University
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Frank Fenner, Australia
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Zafra Lerman, USA

1991

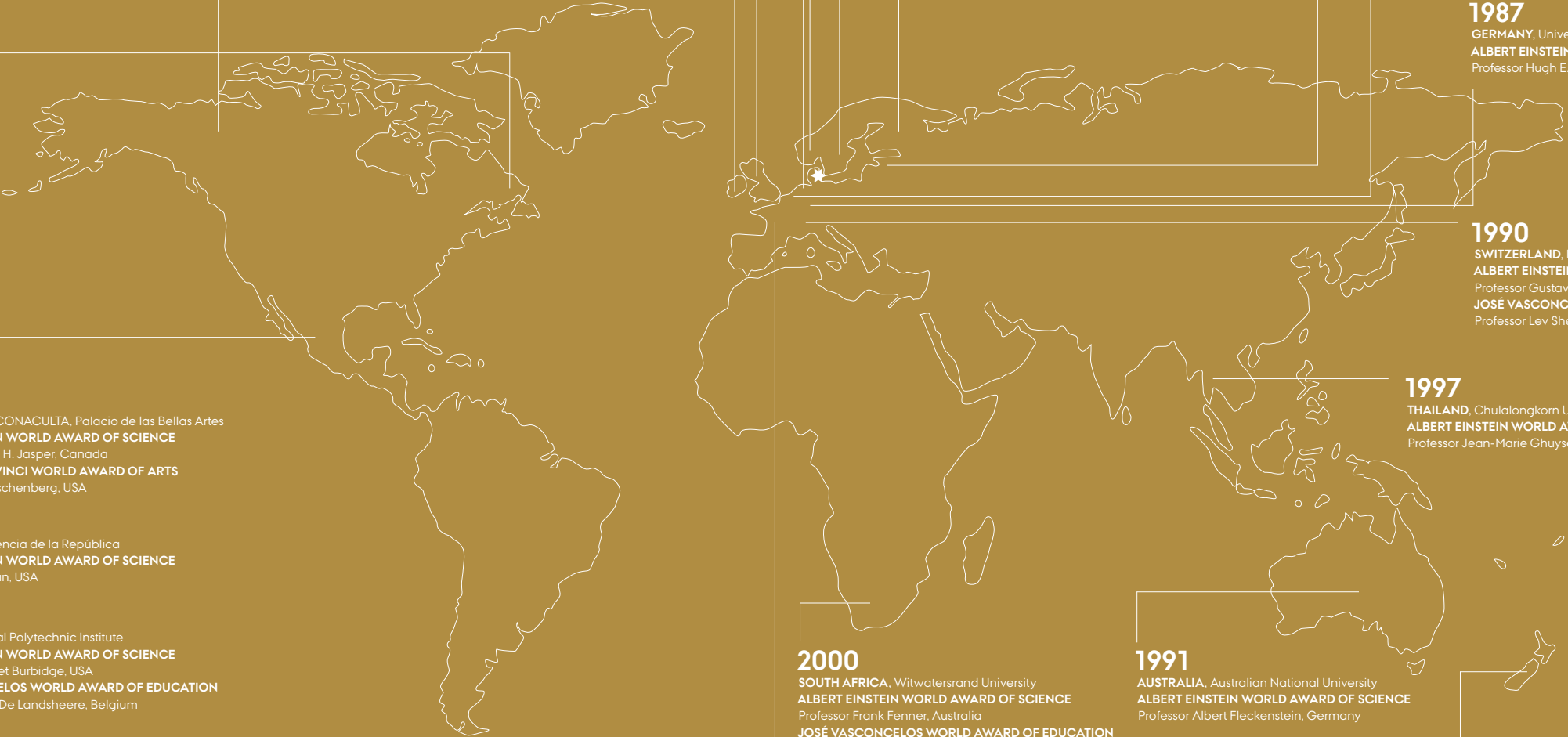
AUSTRALIA, Australian National University
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Albert Fleckenstein, Germany

2012

DENMARK, Aarhus University
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Hans Ulrich Gumbrecht, USA
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Michael Grätzel, Switzerland

1998

NEW ZEALAND, Victoria University of Wellington
ALBERT EINSTEIN WORLD AWARD OF SCIENCE
Professor Charles R. Goldman, USA
JOSÉ VASCONCELOS WORLD AWARD OF EDUCATION
Professor Robert Yager, USA



EXCELLENCE 2012

EXCELLENCE REVISITED - THE VALUE OF EXCELLENCE

The 29th Award Ceremony of the World Cultural Council will be held within the framework of the conference Excellence Revisited – the Value of Excellence. The conference is one of the major events of the Danish EU Presidency 2012, and is jointly hosted by the Ministry of Science, Innovation and Higher Education, the Danish National Research Foundation, the Lundbeck Foundation, the Danish Council for Independent Research, the European Research Council, the Carlsberg Foundation and Aarhus University.

CONFERENCE AMBITION

The ambition of the conference is to highlight current European positions on research, higher education and innovation policies, since European policymakers and stakeholders within these areas are becoming increasingly aware of the importance of excellence. Excellence Revisited – the Value of Excellence will bring together policymakers, stakeholders, researchers, senior university administrators and students to discuss excellence and exchange ideas.

PARTICIPANTS IN THE CONFERENCE WILL:

- Participate in and further the discussion of excellence in research and higher education
- Discuss strategies for Europe to stimulate excellence
- Exchange ideas on how to ensure that Europe performs excellent research and transforms it into innovative solutions

INFLUENCE ON POLICY-MAKING

The conference is expected to influence further policy development and the promotion of excellence in research, innovation and education at both the European and national levels, including the negotiations on the next Framework Programme. Furthermore, the conference will help promote a wider understanding of the concept of excellence that we all use. Finally, it will facilitate wider acknowledgement of the need to create a fruitful environment for excellence in research, education and innovation.

JOIN US

Join us at Aarhus University for the Award Ceremony and the Excellence Conference in April. Participation in the conference is free, but participants are expected to cover their own travel and accommodation expenses. The participants will be validated by the organisers prior to the conference.

Please register at www.excellence2012.dk

Kindly register by 8 March to guarantee that accommodation is available. We cannot guarantee accommodation after this date but we will do our utmost to help you.

JOINTLY HOSTED BY:



AARHUS UNIVERSITY

europa12.dk

The Danish Council for Independent Research



LUNDBECKFONDEN

Danmarks
Grundforskningsfond
Danish National
Research Foundation



Ministry of Science, Innovation
and Higher Education



THE CARLSBERG FOUNDATION

WEDNESDAY 18 APRIL

OPENING OF THE EXCELLENCE CONFERENCE

Lauritz B. Holm-Nielsen, Rector, Aarhus University
Jacob Bundsgaard Johansen, Mayor of Aarhus

KEYNOTE SPEAKERS

Philip Campbell, Editor-in-chief of *Nature*

Flemming Besenbacher, Chairman of the Carlsberg Foundation's Supervisory Board and Professor, Interdisciplinary Nanoscience Center, Aarhus University

WORLD CULTURAL COUNCIL AWARD CEREMONY

RECEPTION AT THE MUSEUM OF ANCIENT ART

THURSDAY 19 APRIL

WHAT IS EXCELLENCE?

Moderator through the conference:

Richard Hudson, CEO & Editor, *Science Business*

KEYNOTE SPEAKERS

Máire Geoghean-Quinn, European Commissioner for Research, Innovation and Science
Wilhelm Krull, Secretary General of the Volkswagen Foundation
Alex Klinge, Head of Department of International Language Studies and Computational Linguistics, Copenhagen Business School
Onara O'Neill, Baroness O'Neill of Bengarve, Professor, University of Cambridge and Member of the House of Lords
Frank Ziegele, Managing Director, Centre for Higher Education

WHY EXCELLENCE?

KEYNOTE SPEAKERS

Gunnar Öquist, former Permanent Secretary of the Royal Swedish Academy of Sciences
Sir Adrian Smith, Director General, Department for Business, Innovation and Skills

Rane Willerslev, Professor, Aarhus University and Director of the Museum of Cultural History, University of Oslo
Claus Hviid Christensen, Chairman of Board for the Danish Council for Research Policy and Senior Manager, DONG Energy, Group R&D

HOW TO CREATE, STIMULATE AND UTILIZE EXCELLENCE

PARALLEL SESSIONS

Public and private foundations' role in building excellence
Helga Nowotny, President of the European Research Council and Professor, Vienna Science and Technology Fund
David Lynn, Director of Strategic Planning and Policy, Wellcome Trust
Julia Lane, Senior Managing Economist, American Institutes for Research

Drivers for excellence

Bertil Andersson, President, Nanyang Technological University
Klaus Bock, Chairman of the Board, Danish National Research Foundation
Kurt Deketelaere, Secretary-General, the League of European Research Universities (LERU) and Professor, KU Leuven

FRIDAY 20 APRIL

DECLARATION UPDATE AND CONFERENCE SUM UP

PANEL DISCUSSION, INTERNATIONAL ADVISORY BOARD

Helga Nowotny, President of the European Research Council
Jerzy M. Langer, Professor, Foreign Secretary of Academia Europaea
Enric Banda, Director of Science, Research and Environment, La Caixa Foundation and President of Euroscience
Dieter Imboden, former President of the European Heads of Research Councils (EUROHORCs)
Gunnar Öquist, former Permanent Secretary of the Royal Swedish Academy of Sciences

BUILDING EXCELLENCE IN A GLOBAL CONTEXT

KEYNOTE SPEAKERS

Gu Binlin, President, Tsinghua University and Member of Chinese Academy of Sciences
Iain Mattaj, Director General, European Molecular Biology Laboratory
Ian Walmsley, Pro-Vice-Chancellor for Research, University of Oxford

HANDOVER OF THE AARHUS DECLARATION ON EXCELLENCE

Morten Østergaard, Danish Minister of Science, Innovation and Higher Education

WORLD CULTURAL COUNCIL SPECIAL RECOGNITIONS 2012

As part of the annual award ceremony, the World Cultural Council grants special recognitions to a select number of talented researchers who early in their careers have had international impact through their research. A commemorative diploma provided by the World Cultural Council will be presented during the ceremony along with a travel scholarship of DKK 25,000 provided by Aarhus University and Director M. C. Holst's foundation for the benefit of Aarhus University. The eight researchers have all received a European Research Council Starting Grant (2011).



ANDERS BAUN

Anders Baun is Professor in environmental risk assessment of nanomaterials at the Department of Environmental Engineering, Technical University of Denmark (DTU). He holds a PhD in the application of biotests for characterization of contaminated water samples from DTU (1998).



TRINE BILDE

Trine Bilde is Associate Professor in evolutionary ecology at the Department of Bioscience, Aarhus University. Her main research area is the evolutionary ecology of inbreeding and the evolution of mating systems. In her work she uses social spiders for comparative studies.



PETER BRODERSEN

Peter Brodersen is Associate Professor at the Department of Biology, University of Copenhagen. He holds a PhD in Molecular Biology from University of Copenhagen (2004). His main research area is genetics and gene regulation.



JOHAN P. U. FYNBO

Johan P. U. Fynbo is Professor MSO in observational astrophysics at the Niels Bohr Institute, University of Copenhagen. His research area is the nature of the earliest galaxies. He is also involved in the preparation of coming space missions.



ANJA GROTH

Anja Groth is an Associate Professor and group leader at Biotech Research and Innovation Centre (BRIC), University of Copenhagen. She holds a PhD in Molecular Biology from the University of Copenhagen (2004). Her main research area is chromatin dynamics and replication.



JAKOB SØNDERGAARD JENSEN

Jakob Søndergaard Jensen is Dr. Techn. and Associate Professor at the Department of Mechanical Engineering, Technical University of Denmark (DTU). His main research areas are optimization of dynamical systems and vibration and wave propagation phenomena.



LARS BOJER MADSEN

Lars Bojer Madsen is an Associate Professor at the Department of Physics and Astronomy, Aarhus University. He holds a Dr. Scient degree (2003) and a PhD from the Faculty of Science, Aarhus University (1998). His main research area is theoretical atomic, molecular and optical physics.



JESPER BUUS NIELSEN

Jesper Buus Nielsen is an Associate Professor at the Department of Computer Science, Aarhus University. He holds a PhD in Computer Science from Aarhus University (2003). His main research area is security and the inherent structure of multi-agent systems.

AARHUS UNIVERSITY

Aarhus University is situated in the heart of Aarhus, Denmark's second-largest city. The university's architecturally distinguished yellow-brick buildings are surrounded by the beautiful University Park campus, which is also the setting for many social activities for students and city residents alike.

Aarhus University is a leading European research university with education and research activities in all academic fields. The university attracts 25 per cent of Danish research funding and is home to more than 30 internationally recognised research centres – including 14 Centres of Excellence supported by the Danish National Research Foundation. Researchers at Aarhus University have been awarded 19 European Research Council Advanced and Starting Grants.

Aarhus University is one of the most rapidly advancing institutions ranked among the top 100 universities worldwide. One reason for this progress is the inclusion of research talent development as a core activity in the university's strategy. Currently over half of

Aarhus University's more than 42,000 students are enrolled at the postgraduate level. Moreover, Aarhus University is well on its way to doubling enrolments in its doctoral programmes, and the university maintains a consistent focus on the recruitment of talented international students and early career researchers.

Aarhus University takes pride in its close connections with the business community and is committed to societal development.

Attracting and retaining international talent does not only require excellent research environments; a variety of practical services are also necessary. Aarhus University accords high priority to the work of assisting young researchers and their families in their social and cultural integration into Danish society. To support these aims, the university has centralised relevant support functions and has established a close collaboration with the local business community and the municipal government to make the transition to life at Aarhus University as smooth as possible.

42,000

THE TOTAL NUMBER OF
STUDENTS

4,443

THE TOTAL NUMBER OF
INTERNATIONAL STUDENTS

USD 1bn

TOTAL TURNOVER

1,822

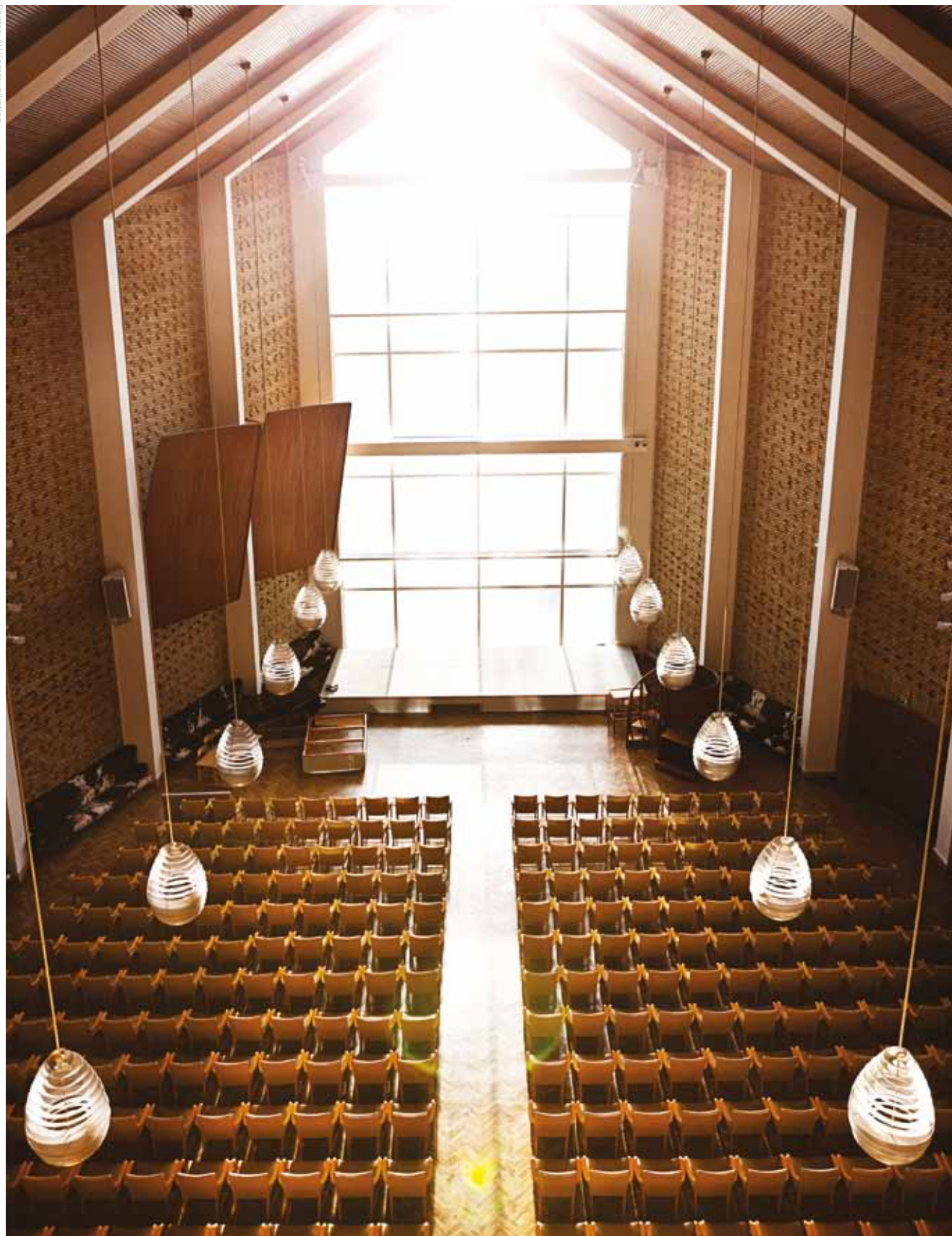
THE TOTAL NUMBER OF
PHD STUDENTS

601,026

GROSS NUMBER OF
SQUARE METRES

7,193

FULL-TIME EQUIVALENT







WORLD CULTURAL COUNCIL
29TH AWARD CEREMONY
AARHUS UNIVERSITY
18 APRIL 2012

For further information on the 29th Award Ceremony and
Excellence Conference please visit www.excellence2012.dk

Please register by 8 March to guarantee that accommodation is available.
We cannot guarantee accommodation after this date but we will do our utmost to help you.

For further information on The World Cultural Council,
visit www.consejoculturalmundial.org

Read more about Aarhus University
at www.au.dk