



Invitation



**31<sup>st</sup> World Cultural  
Council Award Ceremony**  
16 – 17 November 2014

Aalto University  
Academic Summit  
18 – 20 November 2014

## Invitation

### **31<sup>st</sup> World Cultural Council Award Ceremony**

16 – 17 November 2014

The World Cultural Council and Aalto University are pleased to invite you to the **31<sup>st</sup> Award Ceremony** for the **Albert Einstein World Award of Science** and the **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 Recognitions will be granted to six talented researchers at Aalto University who early in their careers have already had an international impact through their research.

#### ***31<sup>st</sup> World Cultural Council Award Ceremony Programme***

*Sunday 16 November*

**15.00 Public Opening Lecture**  
**“The Origin of Reversible Protein Phosphorylation”**  
*Professor Edmond H. Fischer*  
President of the World Cultural Council

**16.30 Networking dinner**

*Monday 17 November*

**9.00 Laureates’ Lectures**  
**“Protein Kinases, the Major Drug Targets of the 21st Century”**  
*Professor Sir Philip Cohen*  
**“What Type of Energy for the Future of Humanity?”**  
*Professor Federico Rosei*

**13.15 31<sup>st</sup> World Cultural Council Award Ceremony**

*You are welcome to join us for the Award Ceremony and the Academic Summit*  
at Aalto University, Otaniemi campus  
Espoo, Helsinki Metropolitan Area, Finland.

**For a detailed programme and further information, please visit [wcc.aalto.fi](http://wcc.aalto.fi)**

## Invitation

### **Aalto University Academic Summit**

18 – 20 November 2014

Following the Award Ceremony, Aalto University invites you to the **Academic Summit on “The Impact of Universities on Economic Growth”** – a deep dive into how research, research-based education and entrepreneurship lay the foundations for a successful knowledge economy. The objective of this summit is to trigger new interactions within and across academia, among policymakers and with industry.

The esteemed speakers of the Academic Summit include leading scientists, experts and winners of significant science and technology prizes and prominent policymakers from all over the globe.

#### ***Aalto University Academic Summit Programme***

*Tuesday 18 November*

**9.00 From Research to Innovation**  
Starting with a visit to SLUSH,  
Scandinavia’s biggest startup event

*Wednesday 19 November*

**9.00 Co-creating the Next Millennium**

*Thursday 20 November*

**9.00 Campus tours**

*Please register at [wcc.aalto.fi](http://wcc.aalto.fi)*

Registration closes on Sunday, 26 October 2014.  
There is no registration fee for either the World Cultural Council Award Ceremony or Aalto University Academic Summit.

## Welcome



It is a great pleasure for the World Cultural Council to have the opportunity to celebrate its 31<sup>st</sup> Award Ceremony at Aalto University at the occasion of the Academic Summit on “*The Impact of Universities on Economic Growth*”. Aalto University entertains the vision of a new university, drawing on

the experience and heritage of three significant Finnish institutions: Helsinki University of Technology, Helsinki School of Economics, and the School of Art and Design.

One of the fundamental missions of the World Cultural Council is to recognize exceptional scientists, artists and educators who have made an outstanding contribution to academic excellence while serving society and promoting international collaboration. In that, we share the same objectives as the universities, that is, to foster the wellbeing of mankind.

Our aim is to contribute to a culture that promotes progress, that encourages and inspires students and researchers, that supports higher education and propagates a worldwide awareness of tolerance, peace and fraternity.

In 2003, the WCC held its 20<sup>th</sup> Award Ceremony in Finland at the National Archives, an event hosted by the Finnish Society of Sciences and Letters and the University of Helsinki. We are delighted to have an opportunity to renew this wonderful experience and come back, once again, to this lovely region of the world.

### **Edmond H. Fischer**

*President, World Cultural Council*



I wish all of you a most warm welcome to Finland and Aalto University, proud to be hosting the 31<sup>st</sup> World Cultural Council Award Ceremony.

The prizes awarded by the World Cultural Council recognise outstanding human achievement in science, technology, education and

arts, and significant efforts by researchers to create a better world for us all. Mankind has built its success and welfare on skills and the exploitation of knowledge. Research and education are at the heart of knowledge societies. This year, the World Cultural Council recognises two pioneers, Professor Sir Philip Cohen, the Albert Einstein World Award of Science, and Professor Federico Rosei, the José Vasconcelos World Award of Education.

During the ceremony, Special Recognitions will be granted to six talented researchers who early in their careers have already had an international impact through their research. We greet these outstanding young individuals with pride and respect.

The World Cultural Council Award Ceremony 2014 will be accompanied by the Aalto University Academic Summit on “*The Impact of Universities on Economic Growth*”. The summit brings together leading experts in academia and businesses to share their thoughts and ideas on how universities contribute to economic development, job creation and wellbeing.

I look forward to welcoming all of you to a week of deep-felt pride in human achievement and engaging discussions on our shared future!

### **Tuula Teeri**

*President, Aalto University*

## The World Cultural Council

**The World Cultural Council** is an international organisation whose objectives are to promote 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.

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

#### **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.

**For further information on World Cultural Council please visit [www.consejoculturalmundial.org](http://www.consejoculturalmundial.org)**

## Professor Sir Philip Cohen

### 2014 Albert Einstein World Award of Science



The *Albert Einstein World Award of Science* was created as a means of recognition to those men and women who have accomplished scientific and technological achievements which have brought progress to science and ensuing benefit to mankind.

The winner of the **Albert Einstein World Award of Science** by the World Cultural Council in 2014 is **Professor Sir Philip Cohen**, Professor of Enzymology, and Deputy Director of the Division of Signal Transduction Therapy (DSTT) at the Medical Research Council's Protein Phosphorylation and Ubiquitylation Unit, University of Dundee, United Kingdom.

The prize is awarded for his 40-year outstanding and continuing scientific career devoted to studying and establishing the profound importance of protein phosphorylation in regulating almost every physiological process.

Cohen is one of the world's most cited scientists in Biology and Biochemistry. His visionary dissection of insulin and other major signal transduction pathways defines the molecular basis of hormone action and how such mechanisms malfunction in diseases ranging from diabetes to cancer.

His pivotal contribution has been to elucidate a major section of the insulin signal transduction-signalling pathway, essentially from scratch, starting at a time when virtually nothing was known about cell signalling. This was to be based on his dissection of protein kinase dependent cascades, which are the major intracellular components of hormonal signalling networks.

Cohen's initial idea was to select a physiological end point action of insulin, specifically the mechanism by which insulin stimulated glycogen synthesis, the rate-limiting enzyme of glycogen synthase. He then painstakingly worked backwards towards the top end of the insulin-signalling pathway in the hope that the upward groups

would eventually meet those working down from the top. This work has taken over 20 years of intensive research but recently Cohen's laboratory eventually linked the two halves of this chain.

His research has raised University of Dundee to one of the leading academic institutions in his field of study. Cohen has made decisive contributions to the growth and international reputation of life sciences at the university and to the development of a life sciences cluster in the city, which now accounts for 16% of its economy. In fact, the College of Life Sciences has, for several years, been voted one of the best scientific environments in the world to work in. Additionally, the Scottish Institute for Cell Signalling was founded in Dundee in 2008.

Throughout his career Cohen has been an exceptional mentor of talented young researchers. More than one hundred Ph.D. students and postdoctoral scientists have trained in his laboratory over thirty-eight years, with the vast majority now working in senior roles as academic research leaders.

Besides the 2014 Albert Einstein World Award of Science Cohen has received numerous awards, including the Pfizer Innovation Award for Europe (1999), the Rolf Luft Prize of the Karolinska Institute of Stockholm (2006), the Royal Medal of the Royal Society (2008) and the Medical Research Council's Millennium Medal (2013). He is a member of a number of science academies and societies, among them the Academia Europaea.

## Professor Federico Rosei

### 2014 José Vasconcelos World Award of Education



The *José Vasconcelos World Award of Education* is made every other year to a person who has stood out in the field of education, as a teacher or policy shaper, whose scope of influence has been outstanding, educating humanity towards a culture of global understanding while encouraging respect for all individuals.

The 2014 **José Vasconcelos World Award of Education** laureate is **Professor Federico Rosei**, Professor and Director of the Centre for Energy, Materials and Telecommunications of the Institut National de la Recherche Scientifique, Université du Québec, Varennes, Canada.

The prize is awarded for his impressive career both within the Chemical Sciences and as an advocate of a global approach to societal development through scientific knowledge and innovation, inspiring and educating people. In addition, the award recognises his vision and talent, through which he built a global network of young researchers, many of whom have obtained leading positions both in science and in society.

Rosei is a young scientist with a singularly clear vision of how science and its application can be used as a tool to empower individuals to address some of humanity's most pressing challenges.

Since starting his independent career in 2002, he has demonstrated an unwavering commitment to training and mentoring young scientists. He has assembled a diverse, talented research group by drawing over ninety trainees from 25 countries on all six continents, many of whom have returned to their home countries to practise and teach science. Over half of these have received prestigious fellowships and awards from a variety of funding agencies.

In an attempt to bridge the gap within scientific and technological knowledge in developing countries, Rosei has launched initiatives to aid materials research. He has given invited and keynote lectures at conferences in Brazil, Chile, China, Colombia, Egypt, Ethiopia,

India, Malaysia, Mexico, Nigeria, Panama, South Africa, Tanzania, Thailand, Venezuela, Vietnam and Zimbabwe, along with numerous seminars in academic institutions. He has also published works on the subject.

Most recently, Rosei has materialised his vision for capacity building in developing countries through the establishment of the UNESCO Chair in Materials and Technologies for Energy Conversion, Saving and Storage (MATECSS), of which he will be the inaugural Chairholder at INRS.

The creation of the network of partners that comprise MATECSS, which currently spans Algeria, China, Costa Rica, India, Mexico, Morocco, Nigeria, South Africa and Vietnam, bears testimony to Rosei's strong connections with scientists the world over and demonstrates the reach of his educational influence.

Rosei has additionally designed and implemented a graduate course to enhance soft professional skills in young scientists and help them make informed career choices. He has given over 35 Survival Skills lectures in universities worldwide and a dozen invited talks at international conferences. The popularity of his book "Survival Skills for Scientists" published in 2006 is a clear indicator of the value of his advice on professional development.

On another front, Rosei has delivered numerous public lectures on energy and society at high schools and other public venues to educate the public at large on issues of sustainability, once again reflecting his passion for education, knowledge sharing and talent inspiration at all levels.

# The World Cultural Council Award Ceremonies

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.

**2014**  
**FINLAND**, Aalto University  
**Albert Einstein World Award of Science**  
 Professor Sir Philip Cohen, United Kingdom  
**José Vasconcelos World Award of Education**  
 Professor Federico Rosei, Canada

**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 Sir Fraser Stoddart, USA  
**Leonardo da Vinci World Award of Arts**  
 Professor Anne Moeglin-Delcroix, France

**2006**  
**MÉXICO**, Instituto Politécnico Nacional  
**Albert Einstein World Award of Science**  
 Professor Ahmed Zewail, USA  
**José Vasconcelos World Award of Education**  
 Professor Marlene Scardamalia, Canada

**2005**  
**MÉXICO**, Universidad Autónoma Agraria Antonio Narro  
**Albert Einstein World Award of Science**  
 Professor John J. Hopfield, USA  
**Leonardo da Vinci World Award of Arts**  
 Architect Enrique Norten, México

**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

**1995**  
**MÉXICO**, INBA, CONACULTA, Palacio de las Bellas Artes  
**Albert Einstein World Award of Science**  
 Professor Herbert H. Jasper, Canada  
**Leonardo da Vinci World Award of Arts**  
 Artist Robert Rauschenberg, USA

**1993**  
**MÉXICO**, Presidencia de la República  
**Albert Einstein World Award of Science**  
 Professor Ali Javan, USA

**1988**  
**MÉXICO**, Instituto Politécnico Nacional  
**Albert Einstein World Award of Science**  
 Professor Margaret Burbidge, USA  
**José Vasconcelos World Award of Education**  
 Professor Gilbert De Landsheere, Belgium

**1986**  
**MÉXICO**, Universidad de Guadalajara  
**Albert Einstein World Award of Science**  
 Dr. Monkombu S. Swaminathan, India

**1984**  
**MÉXICO**, Consejo Cultural Mundial  
**Albert Einstein World Award of Science**  
 Dr. Ricardo Bressani, Guatemala

**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 Sir 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, Finnish Society of Sciences and Letters and The National Archives of Finland  
**Albert Einstein World Award of Science**  
 Professor Sir Martin Rees, United Kingdom  
**Leonardo da Vinci World Award of Arts**  
 Sculptor and Sky Artist Otto Piene, Germany

**2012**  
**DENMARK**, Aarhus University  
**Albert Einstein World Award of Science**  
 Professor Michael Grätzel, Switzerland  
**José Vasconcelos World Award of Education**  
 Professor Hans Ulrich Gumbrecht, USA

**1994**  
**FRANCE**, CODATA / ICSU / UNESCO  
**Albert Einstein World Award of Science**  
 Professor Sherwood Rowland, USA  
**José Vasconcelos World Award of Education**  
 Professor Joseph O'Halloran, Australia

**1991**  
**AUSTRALIA**, Australian National University  
**Albert Einstein World Award of Science**  
 Professor Albrecht Fleckenstein, Germany

**2000**  
**SOUTH AFRICA**, University of Witwatersrand  
**Albert Einstein World Award of Science**  
 Professor Frank Fenner, Australia  
**José Vasconcelos World Award of Education**  
 Professor Zafra Lerman, USA

**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

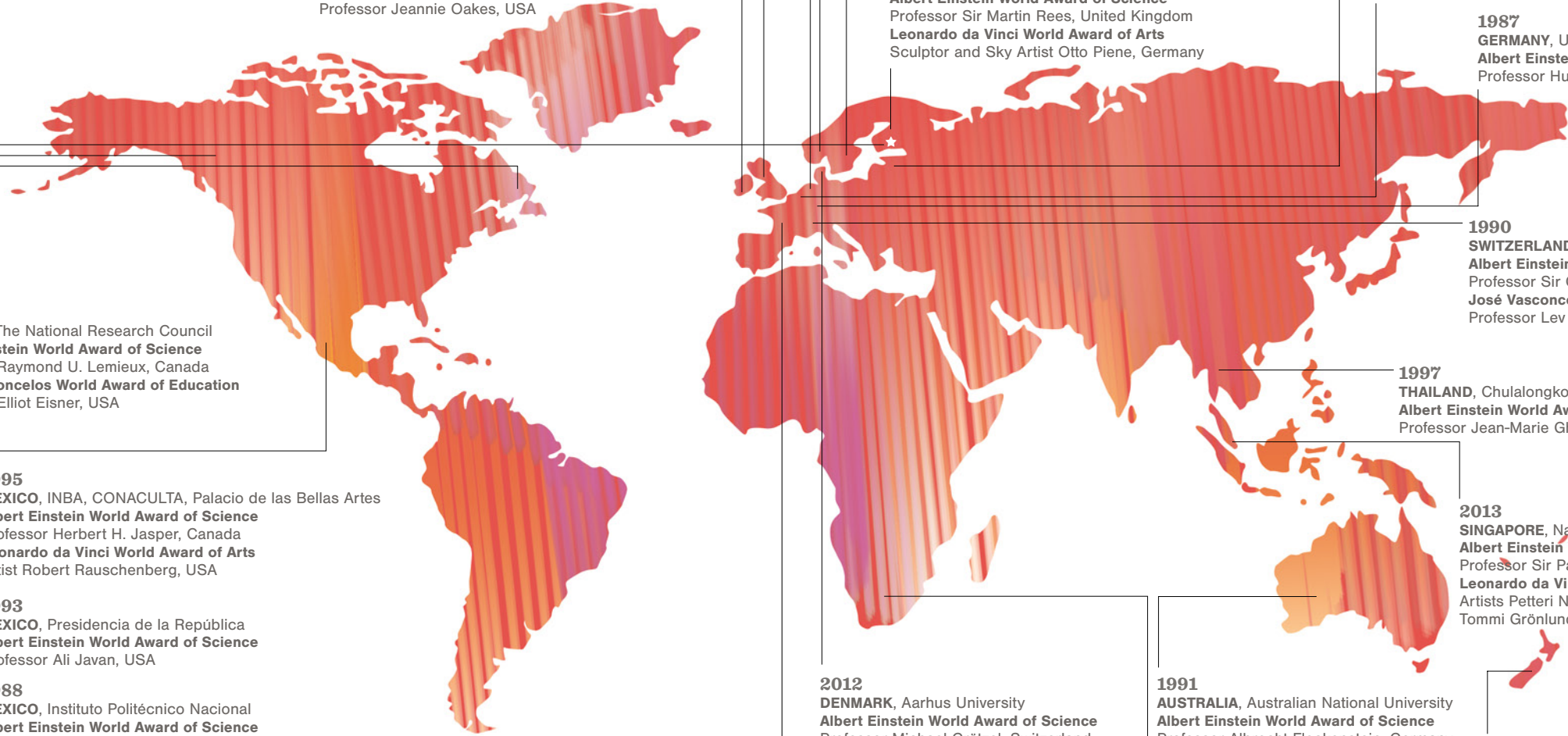
**1987**  
**GERMANY**, University of Heidelberg  
**Albert Einstein World Award of Science**  
 Professor Hugh E. Huxley, United Kingdom

**1990**  
**SWITZERLAND**, ETH Zürich  
**Albert Einstein World Award of Science**  
 Professor Sir 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

**2013**  
**SINGAPORE**, Nanyang Technological University  
**Albert Einstein World Award of Science**  
 Professor Sir Paul Nurse, United Kingdom  
**Leonardo da Vinci World Award of Arts**  
 Artists Petteri Nisunen and Tommi Grönlund, Finland

**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



## Special Recognitions

During the ceremony Special Recognitions will be granted to six talented researchers who, early in their careers, have had international impact through their research.



**Camilla Hollanti**  
*Assistant Professor  
in Mathematics  
Aalto University  
School of Science*

Professor Camilla Hollanti leads a vibrant research group on algebra and number theory. This branch of discrete mathematics is central to applications in coding, computing and communications. Professor Hollanti and her group have made important contributions to space-time codes, distributed storage systems and secure communications.



**Katri Kauppi**  
*Assistant Professor  
in Logistics  
Aalto University  
School of Business*

Professor Katri Kauppi is a prolific researcher whose work covers the areas of public procurement, e-procurement, global sourcing, maverick buying, fair trade supply chains and using organisational theories in purchasing research. Professor Kauppi has previously worked as an assistant professor and lecturer at Nottingham University Business School and Manchester Business School in England.



**Mauri Kostiaainen**  
*Assistant Professor  
in Polymer Technology  
Aalto University  
School of Chemical Technology*

Professor Mauri Kostiaainen's research group focuses on biohybrid materials, which make it possible to combine the best features of synthetic and biological material types. His scientific merits are excellent, including for example papers in Nature Nanotechnology and Nature Chemistry. Professor Kostiaainen belongs to the Academy of Finland's Centre of Excellence in Molecular Engineering of Biosynthetic Hybrid Materials Research.



**Matti Kuittinen**  
*Doctoral Candidate,  
Department of Architecture,  
Aalto University  
School of Arts,  
Design and Architecture*

Doctoral Candidate Matti Kuittinen leads an interdisciplinary, practice-based research group within SMART – The Art of Structures and Materials. His work focuses on the groundbreaking interaction between wooden architecture, our carbon footprint, life-cycle assessments, energy efficiency and humanitarian aid. He is a member of the emergency preparedness team at Finn Church Aid and one of the leading specialists in humanitarian project management and construction in Finland.



**Jani Romanoff**  
*Assistant Professor  
in Marine Technology  
Aalto University  
School of Engineering*

Professor Jani Romanoff is the very first professor appointed in this field at Aalto University and has already succeeded in obtaining a significant research grant from the Academy of Finland and a Finland Distinguished Professor Grant from Tekes – the Finnish Funding Agency for Innovation. For a young professor, Romanoff has established an impressive research record with more than 20 ISI publications in the past three years.



**Hele Savin**  
*Assistant Professor  
in Micro and Nanoelectronics  
Aalto University  
School of Electrical Engineering*

Professor Hele Savin was appointed Assistant Professor at Aalto University in 2012. Immediately after the nomination, she received the prestigious European Research Council Starting Grant to study phenomena that cause a decline in the efficiency of solar cells over time. In 2013, Professor Savin and her group succeeded in reaching a world record 18.7% in black silicon solar cells using a novel surface passivation scheme.

## Aalto University Academic Summit “The Impact of Universities on Economic Growth”

The Summit will focus on how universities, through research and education, contribute to the creation of knowledge societies, thereby facilitating a successful knowledge economy, job creation and wellbeing.

Major innovations increasingly emerge as a result of excellent research done in a multidisciplinary context. Successful national innovation systems require shared visions and coordinated actions among the many actors participating in complex innovation networks. The objective of this summit is to trigger new interactions globally within and across academia, among policymakers and with industry.

The esteemed speakers include prominent policymakers and winners of significant science and technology prizes, such as Nobelist Edmond H. Fisher, Millennium Technology Award winner Stuart Parkin and winner of the Marcus Wallenberg Prize, Magnus Berggren. Please follow the constantly updated list of speakers online.

*You are welcome to join us for the Award Ceremony and the Academic Summit at Aalto University, Otaniemi campus Espoo, Helsinki Metropolitan Area, Finland.*

For a detailed programme and further information, please visit [wcc.aalto.fi](http://wcc.aalto.fi)

### Programme

#### Tuesday 18 November From Research to Innovation

Aalto University hosted breakfast at SLUSH, Scandinavia's biggest startup event

##### “Changing the Game: Academic Entrepreneurship”

Chair: Dean *Ingmar Björkman*  
Aalto University School of Business

##### “The Impact of Science on Human Health”

Chair: Academician, Dean *Risto Nieminen*  
Aalto University School of Science

##### “How to Build Flourishing Innovation Ecosystems?”

Chair: Provost *Ilkka Niemelä*  
Aalto University

#### Wednesday 19 November Co-creating the Next Millennium

##### “From Research to ICT Innovations”

Chair: Professor *Yrjö Neuvo*  
Aalto University  
School of Electrical Engineering

##### “Creating Together”

Chair: Dean *Anna Valtonen*  
Aalto University  
School of Arts, Design and Architecture

##### “Addressing our Global Challenges through Research and Innovation: Case Bioeconomy”

Chair: Dean *Janne Laine*  
Aalto University  
School of Chemical Technology

#### Thursday 20 November

Campus tours

#### Please register at [wcc.aalto.fi](http://wcc.aalto.fi)

Registration closes on Sunday, 26 October 2014. There is no registration fee for either the World Cultural Council Award Ceremony or Aalto University Academic Summit.

## Aalto University

Aalto University was founded in 2010 by merging three previously autonomous universities in art and design, economics and technology. Aalto University builds its activities on research and artistic excellence as a foundation for innovation and entrepreneurship.

The name Aalto University is a tribute to Finnish architect Alvar Aalto. In addition to architecture with a strong focus on people and sustainability, the work of Alvar Aalto comprised regional planning, fine arts, design and entrepreneurship.

#### Key figures in 2013

<b>11,337</b>	<b>4,985</b>	<b>382</b>
students (FTE)	employees	professors

#### Number of graduates in 2013

<b>1,554</b>	<b>1,614</b>	<b>229</b>
bachelor's degrees	master's degrees	doctoral degrees

#### Funding in 2013

<b>€ 418 million</b>	<b>€ 275 million</b>
total income	government funding
<b>€ 109 million</b>	<b>€ 21,6 million</b>
research grants	corporate funding

Source: Aalto University Annual Report 2013

For further information on Aalto University please visit [aalto.fi](http://aalto.fi)



### Schools and focus areas

#### School of Arts, Design and Architecture

User-driven design and art  
Art and design, science, and business  
Tradition-based forerunning  
Sense-based skills and knowledge

#### School of Business

Strategic management and marketing  
Microeconomics  
Behavioural finance and corporate governance  
Decision-making

#### School of Chemical Technology

Process technology  
Industrial biotechnology  
Biomaterials science  
Metals and minerals recovery processes  
Active and functional materials

#### School of Electrical Engineering

Energy and environment  
Health and wellbeing  
Information and communication technology ICT  
Micro- and nanotechnology

#### School of Engineering

Arctic technology  
Mechanics and material technology  
Multidisciplinary energy technologies  
Sustainable built environment  
Systems design and production

#### School of Science

Biomedical engineering  
Computational and mathematical sciences  
Computer science and engineering  
Condensed-matter and materials physics  
Creating and transforming technology-based business  
Energy sciences, including nuclear engineering  
Neuroscience and -technology

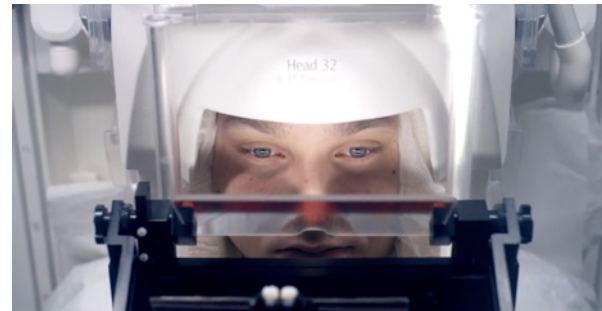
## Campus tour

Aalto University aspires to be a world class university by 2020, recognized by its interdisciplinary profile and its innovative and entrepreneurial capacity. Aalto University aims to educate leaders and game changers for our challenging future.

Aalto University offers more than 90 degree programmes leading to BA, MA and doctoral degrees in the fields of art, design and architecture, business, and technology.

The Otaniemi campus is designed by architect Alvar Aalto.

Otaniemi district at the Helsinki metropolitan area has the highest concentration of high technology in the Nordic countries. A unique combination of education, study and business is densely packed into this small area.



Tenure track is the core academic career system offering a well-supported career path toward a tenured professorship.



The students are encouraged to engage in multidisciplinary projects and practice-based learning.



## Further information

### **31<sup>st</sup> World Cultural Council Award Ceremony**

16–17 November 2014

### **Aalto University Academic Summit**

18–20 November 2014

**Please register for The World Cultural Council  
Award Ceremony and Aalto University  
Academic Summit at [wcc.aalto.fi](http://wcc.aalto.fi)**

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