



**FUTURE  
EDUCATION**  

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**BELGRADE 2019**

# AGENDA

*Fourth International  
Conference on  
Future Education*

Belgrade, Serbia | November 12–13, 2019

## ***Education for the Unknown: How the Educational Reforms Help to Avoid a Paradox that Future is Behind Us?***

### ***Challenges and Opportunities***

We live in an amazingly interrelated world full of new normalities that bring a profound level of complexity and uncertainty into all aspect of our life. The global character of information, work, and the environment has had a tremendous impact on society and on the type of education needed to meet pressing challenges and avail of emerging opportunities.

Technology and education are complementary drivers of social development. Each plays an essential role in supporting advances of the other. Technological advances have been a principle catalyst for development of professional and scientific education, while advances in education have been essential to prepare youth to understand and utilize full capabilities generated by technological advances. Both have had a profound impact on the general progress of our work, society and culture. Globalization has magnified that impact and accelerated the pace of change.

Our present system of education was born at a time when information and knowledge were scarce and the means to acquire and disseminate them were slow and laborious. It was a time centuries before the invention of printing, newspapers, textbooks, radio, motion pictures, television and the Internet, when oral instruction by a teacher was the only feasible method for knowledge sharing and the accumulated knowledge of humanity was extremely limited. However, this is no longer the case. Today, we live in a world of information glut. The average citizen has more information available at his fingerprints than the most knowledgeable and informed expert had access to just a few decades ago. Current knowledge is changing so rapidly that much of what was taught a few years ago is no longer up-to-date or even relevant. In order to handle the surplus of knowledge, the number of subjects taught has multiplied from a handful to nearly a thousand disciplines and sub-disciplines. At the same time, the rapid technological advances of the Fourth Industrial Revolution are placing new demands on the way we think, organize and work. Yet our basic method and system of education remains the same. In spite of rapid advances in technology, the impact of emerging technologies in the field of education has been relatively small.

As a consequence, there is an ever widening gap between the education the world needs and the education our present pedagogies and learning technologies are able to offer to students. The gap is also widening between society and individuals that are able to adapt quickly to the demands for educational leadership, innovation and creativity, and those that lag behind. Education has become a critical competitive factor for both the individual and the society. Addressing these issues offers unprecedented opportunities for those who evolve more effective ways to equip the next generation for life in an increasingly complex and globalized society. These challenges are central to the work of the World Academy of Art and Science and the World University Consortium.

### ***Focus of the Fourth International Conference on Future Education***

In the former international conferences on future education, the World Academy of Art and Science and the World University Consortium have examined in depth the nature of educational challenges confronting humanity today, the educational requirements imposed by emerging technologies and globalization, the need to break down the disciplinary silos of over-specialization that limit the practical relevance of education, and the need for changes in pedagogy and learning technologies to expand access, improve quality and reduce the cost of education. Most importantly, they have explored the need for a fundamental shift in purpose and strategy of education from the subject to the student, from transmission of information to development of capacities for independent thinking and problem solving, from development of mental capacities to development of full personality of the student, and from employees to creative thinkers, innovative entrepreneurs and true global citizens.

A new paradigm is urgently needed to shift emphasis to contextual, relational, human-centered and collaborative education that encourages critical thinking, creativity and technological entrepreneurship. Implementation of the new paradigm through strategy and policies will get effective answers through industrial policies supporting fully developed human potentials, primarily innovative breakthroughs that are multidisciplinary, applicable and value-based.

The Fourth International Conference on Future Education will examine effective strategies and policies required to accelerate this paradigm change in education. It will draw lessons, insights and practical approaches from successful innovations in education taking place around the world. It will examine ways to overcome disciplinary barriers in order to provide the integrated knowledge needed for achievement in our increasingly complex world. The Conference will explore methods to shift the focus from subjects to students and from academic to contextual knowledge. It will investigate emerging technologies and pedagogies that can shift the emphasis from teaching to active learning, from competitive to cooperative interaction, and from teacher-student to peer-peer learning environments. It will explore ways to promote development of the capacities for creative thinking, personality and individuality, which will prepare the next generation for high accomplishment in the years to come.

## INTRODUCTORY SESSION, Grand Hall

### Challenges and Opportunities Impacted by New Normalities

9:00–9:30

#### Words of Welcome

**Aleksandar Vlahović**, President, Serbian Association of Economists

**Heitor Gurgulino de Souza**, President, World Academy of Art and Science

**Ana Brnabić**, President, Government of Serbia

9:30–10:15

#### Inaugural Speeches

Chair:

**Nebojša Nešković**, Secretary General, World Academy of Art and Science

Speakers:

**Vladimir Kostić**, President, Serbian Academy of Sciences and Arts, Belgrade

**Garry Jacobs**, Chief Executive Officer, World Academy of Art and Science

**Sobhi Tawil**, Head, Education Research and Foresight, United Nations Educational, Scientific and Cultural Organization (UNESCO)

## PLENARY SESSION 1, Grand Hall

10:15–11:15

### Strategic Audits of New Education Challenges and Opportunities

Speaker and Chair:

**Mamphela Ramphele**, Co-President, Club of Rome

*Education in an age of increased speed, interconnectedness and complexity*

Speakers:

**Ivanka Popović**, Rector, University of Belgrade, Serbia

*Higher education in a society in transition*

**Kakha Shengelia**, President, International Association of University

Presidents

*Challenges to higher education in the 21<sup>st</sup> century*

**Dragan Đuričin**, Faculty of Economics, University of Belgrade, Serbia

*Economic policy platform for future education: Impact of a paradigm change in economics*

11:15–11:45

#### Coffee break

## PARALLEL PANEL DISCUSSIONS 1, Grand Hall and Halls 2 and 3

11:45–13:00

#### Panel Discussion 1.1

*Rapid evolution of the educational system: Impacts of science, technology and politics*

Speaker and Moderator:

**Patrick Degeorges**, Directeur de l'Anthropocene Curriculum, École Normale Supérieure de Lyon, France

Speakers:

**Carlos Blanco-Pérez**, Department of Philosophy, Humanities and Communication, Comillas Pontifical University, Madrid, Spain (video record)

**Momir Đurović**, Montenegrin Academy of Sciences and Arts, Podgorica

**Danijela Kirovski**, Faculty of Veterinary Medicine, University of Belgrade, Serbia

**Benno Werlen**, UNESCO Chair on Global Understanding for Sustainability, Friedrich Schiller University in Jena, Germany

### **Panel Discussion 1.2**

*Educating culturally different, environmentally responsible and globally aware citizens*

Speaker and Moderator:

**Thomas Reuter**, Asia Institute, University of Melbourne, Australia

Speakers:

**Saulo Casali Bahia**, Federal University of Bahia, Salvador, Brazil

**Ljiljana Marković**, Dean, Faculty of Philology, University of Belgrade, Serbia

**Marco Vitiello**, Department of Political Sciences, Roma Tre University, Italy

**Vesna Vučinić**, Faculty of Philosophy, University of Belgrade, Serbia

### **Panel Discussion 1.3**

*Getting out of the box in education: Fostering creative thinking and innovation*

Speaker and Moderator:

**Dragan Simeunović**, Faculty of Political Sciences, University of Belgrade, Serbia

Speakers:

**Carlos Alvarez-Pereira**, President, Innaxis Foundation and Research Institute, Madrid, Spain

**Nora Bateson**, President, International Bateson Institute, Stockholm, Sweden (video record)

**Tatjana Marković**, Academy of Professional Business Studies, Belgrade, Serbia

**Goran Pitić**, Faculty of Economics, Finance and Administration, Metropolitan University, Belgrade, Serbia

## **PLENARY SESSION 2, Grand Hall**

**13:00–14:15**

### **Digital Opportunities at All Educational Levels**

Speaker and Chair:

**Carlos Alvarez-Pereira**, President, Innaxis Foundation and Research Institute, Madrid, Spain

*Digital transformation: Opportunities and impact on education*

Speakers:

**Mariana Bozesan**, President, AQAL Capital & Foundation, Munich, Germany  
*Education in the Singularity Era – An Investor's Approach*

**Rodolfo Fiorini**, Department of Electronics, Information and Bioengineering, Polytechnic University of Milan, Italy

*Impact of digital transformation on creative leadership skills*

**Alberto Foletti**, Institute of Translational Pharmacology, Rome, Italy

*Impact of digital transformation on medical education and personal well-being*

**Veljko Milutinović**, Department of Computer Science, Indiana University, Bloomington, USA

*Digital disruption as opportunity for business development*

**14:15–15:15**

**Break**

## **PARALLEL PANEL DISCUSSIONS 2, Grand Hall and Halls 2 and 3**

**15:15–16:15**

### **Panel Discussion 2.1**

*Roles of academic mobility and digital tools in research and education*

Speaker and Moderator:

**Dejan Popović**, Serbian Academy of Sciences and Arts, Belgrade

Speakers:

**Vladimir Bumbaširević**, Serbian Academy of Art and Science, Belgrade

**Denis Gillet**, School of Engineering, École Polytechnique Fédérale de Lausanne, Switzerland

**Danielle Sandi Pinheiro**, Department of Administration, University of Brasilia, Brazil

### **Panel Discussion 2.2**

*Hybrid and flipped educational models: Combining physical and virtual technologies*

Speaker and Moderator:

**Branislav Vujović**, President, New Frontier Group, Vienna, Austria

Speakers:

**Vladan Devedžić**, Faculty of Organisational Sciences, University of Belgrade, Serbia

**Robert Hoffman**, Principal, whatIf? Technologies, Ottawa, Ontario, Canada; Full Member, Club of Rome

**Tibor Tóth**, Executive Secretary Emeritus, Comprehensive Nuclear-Test-Ban Treaty Organization, Vienna, Austria

### **Panel Discussion 2.3**

*Social and humanistic sciences in the era of the fourth industrial revolution*

Speaker and Moderator:

**Ljubomir Maksimović**, Serbian Academy of Sciences and Arts, Belgrade

Speakers:

**Paul Spierings**, Directorate-General for Public Works and Water Managements, Ministry of Infrastructure and Water Management of the Netherlands, The Hague

**Branko Urošević**, Faculty of Economics, University of Belgrade, Serbia

**Isidora Žebeljan**, Serbian Academy of Sciences and Arts, Belgrade

## **PLENARY SESSION 3, Grand Hall**

**16:15–17:15**

### **New Education: From Leadership in Thought to Effective Action**

Speaker and Chair:

**Yury Sayamov**, Lomonosov Moscow State University, Russia

*To leadership in thought through global education*

Speakers:

**Vladimir Kostić**, President, Serbian Academy of Sciences and Arts

*Improvements of pedagogy in life sciences and medicine*

**Anna Canato**, Head, Division for Education and Public Research, European Investment Bank, Luxembourg

*Learning environments for effective education*

**Tibor Varadi**, Serbian Academy of Sciences and Arts, Belgrade

*Globalism, globalisation and academia*

**17:15–17:45**

**Coffee break**

## **PARALLEL PANEL DISCUSSIONS 3, Grand Hall and Halls 2 and 3**

**17:45–19:00**

### **Panel Discussion 3.1**

*Impacts of research and innovation on education*

Speaker and Moderator:

**Zbigniew Bochniarz**, Evans School of Public Affairs, University of Washington, Seattle, USA

Speakers:

**Francesco Arcidiacono**, Haute Ecole Pédagogique des Cantons de Berne, Switzerland

**Branislav Jelenković**, Serbian Academy of Sciences and Arts, Belgrade

**Buyi Makhanya**, Deputy Director, Teaching and Learning Development Centre, Mangosuthu University of Technology, Durban, South Africa

**Vladimir Popović**, State Secretary, Ministry of Education, Science and Technological Development of Serbia

### **Panel Discussion 3.2**

*Contextual knowledge: Building bridges between disciplines for relevant and effective learning*

Speaker and Moderator:

**Olivia Bina**, Institute of Social Sciences, University of Lisbon, Portugal

Speakers:

**Slobodan Grubačić**, Serbian Academy of Sciences and Arts, Belgrade

**Blagoje Paunović**, Faculty of Economics, University of Belgrade, Serbia

**Janani Ramanathan**, Mother's Service Society, Pondicherry, India

**Liora Weinbach**, Interdisciplinary Center for Health, Law and Ethics, Haifa University, Israel

### **Panel Discussion 3.3**

*Effects of dual education at different levels*

Speaker and Moderator:

**Yi Heng Cheng**, College of Design and Innovation, Tongji University, Shanghai, China

Speakers:

**Sue Henderson**, President, New Jersey City University, Jersey City, New York, USA

**Mirjana Kovačević**, Head, Center for Dual Education, Chamber of Commerce and Industry of Serbia

**Mladen Stamenković**, Vice-Dean, Faculty of Economics, University of Belgrade, Serbia

**Matthias Straub-Fischer**, Headmaster, KaosPilots, Bern, Switzerland (video record)

NOVEMBER 13, 2019, Serbian Academy of Sciences and Arts

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## **Core Solutions**

### **PLENARY SESSION 4, Grand Hall**

**9:00–10:00**

#### **Education for Full Employment**

Speaker and Chair:

**Garry Jacobs**, Chief Executive Officer, World Academy of Art and Science

*Full employment: Possibility or utopia?*

Speakers:

**Enrico Giovannini**, Department of Economy and Finance, University of Rome Tor Vergata, Italy

*Education for a sustainable world*

**Marcel Van de Voorde**, Delft University of Technology, The Netherlands

*Closing the gap between education and future career*

**Erich Hoedl**, Trustee, World Academy of Art and Science

*Education and entrepreneurship for sustainability*

## PARALLEL PANEL DISCUSSIONS 4, Grand Hall and Halls 2 and 3

10:00–11:00

### Panel Discussion 4.1

*Interdisciplinarity in digital scholarship*

Speaker and Moderator:

**Smiljana Antonijević**, Institute of Design, Illinois Institute of Technology, Chicago, USA

Speakers:

**Tijana Čolak-Antić Popović**, Director, Ethnographic Museum in Belgrade, Serbia

**Andreas Riepl**, Head, Federal Center of eEducation Austria, Vienna

**Milena Stanković**, Faculty of Electronic Engineering, University of Niš, Serbia

### Panel Discussion 4.2

*Closing the skill gap through education: Roles of academia and unconventional forms of learning*

Speaker and Moderator:

**Dara Melnyk**, Skolkovo Education Development Centre, Moscow, Russia

Speakers:

**Jasna Atanasijević**, Presidency, Serbian Association of Economists, Belgrade

**Vladica Cvetković**, Serbian Academy of Art and Science, Belgrade

**Surendran S. Sreejith**, Chief Executive Officer, Global Institute of Integral Management Studies, Pullepady, Kochi, Kerala, India

### Panel Discussion 4.3

*Education for sustainability and inclusiveness for people and nature*

Speaker and Moderator:

**Petar Bulat**, Vice-Rector, University of Belgrade, Serbia

Speakers:

**Mariana Bozesan**, President, AQAL Capital & Foundation, Munich, Germany

**Aleksandra Drecun**, President, Intersection – Centre for Science and Innovation, Belgrade, Serbia; Director for Europe, Harvard Alumni Association

**Radmilo Pešić**, Faculty of Agriculture, University of Belgrade, Serbia

11:00–11:30

Coffee break

## PLENARY SESSION 5, Grand Hall

11:30–12:30

### Person-Centered Education

Speaker and Chair:

**Alberto Zucconi**, Secretary General, World University Consortium

*New pedagogy: Education focused on people*

Speakers:

**Anne Snick**, Faculty of Psychology and Educational Sciences, Catholic University of Leuven, Belgium

*Shifts from passive to active and from competitive to collaborative learning*

**Anantha Duraiappah**, Director, Mahatma Gandhi Institute of Education for Peace and Sustainable Development, New Delhi, India

*The alternative education: Predators to nurturers*

**Stefan Brunnhuber**, Medical Director, Department of Psychiatry, Psychosomatics and Psychotherapy, Diakonie Kliniken Zschadras, Colditz, Germany

*The future creativity response: Empirical evidence and update*

## PARALLEL PANEL DISCUSSIONS 5, Grand Hall and Halls 2 and 3

12:30–13:45

### Panel Discussion 5.1

*Shift from subject-centered to student-centered education*

Speaker and Moderator:

**Lisa Petrides**, Founder and Chief Executive Officer, Institute for the Study of Knowledge Management in Education, Half Moon Bay, California, USA

Speakers:

**Pericles Mitkas**, Rector, Aristotle University of Thessaloniki, Greece

**Davide Scalmani**, Former Director, Italian Institute for Culture in Belgrade, Serbia

**Vani Senthil**, Mother's Service Society, Pondicherry, India

### Panel Discussion 5.2

*Learning by collaborating*

Speaker and Moderator:

**Aleksandar Baucal**, Faculty of Philosophy, University of Belgrade, Serbia

Speakers:

**Joanna Bochniarz**, President, Center for Innovative Education, Warsaw, Poland

**Emily Caughman**, InterEnvironment Institute, Claremont California, USA

**Regina de Dominicis**, Head, United Nations Children's Fund (UNICEF) in Serbia, Belgrade

**Dmitry Kamanin**, Joint Institute for Nuclear Research, Dubna, Russia

### Panel Discussion 5.3

*Value-based education*

Speaker and Moderator:

**Ullica Segerstrale**, Department of Social Sciences, Illinois Institute of Technology, Chicago, USA

Speakers:

**Milena Dragičević Šešić**, UNESCO Chair in Cultural Policy and Management, University of Arts in Belgrade, Serbia

**Charis Psaltis**, Department of Psychology, University of Cyprus, Nicosia

**Oksana Sliusarenko**, National Academy of Sciences of Ukraine, Kiev

13:45–14:45

Break

## PLENARY SESSION 6, Grand Hall

14:45–16:45

### Chosen Themes of Interest for Future Education

Speaker and Chair:

**Nebojša Nešković**, Secretary General, World Academy of Art and Science

*Rainbows as complex phenomena*

Speakers:

**Alexander Karpov**, Flerov Laboratory of Nuclear Reactions, Joint Institute for Nuclear Research, Dubna, Russia

*Island of stability in the periodic table of chemical elements*

**Fadwa El Guindi**, Distinguished Alumna, American University in Cairo, Egypt

*Multiculturalism or interculturalism?*

**Chenyang Li**, School of Humanities, Nanyang Technological University, Singapore

*Confucian philosophy and civic education*

16:45–17:15

Coffee break

## **CONCLUDING SESSION, Grand Hall**

**17:15–18:15**

**Reports on Parallel Panel Discussions 1–5**

**18:15–18:45**

**Closing Remarks**

**Garry Jacobs**, Chief Executive Officer, World Academy of Art and Science

**Ivanka Popović**, Rector, University of Belgrade, Serbia

**Vladimir Kostić**, President, Serbian Academy of Sciences and Arts