



WAAS Management Letter

Invitation to participate in Webinar & PG Seminar on Mind, Thinking & Creativity

COLLABORATE IN THE ULTIMATE INTELLECTUAL ADVENTURE

Mind is humanity's highest developed instrument for seeking knowledge. WAAS and WUC invite you to join us for an extraordinary inquiry into the character of mental knowledge and mental processes, limits to rationality and mental ways of knowing, out of the box new paradigmatic thinking, uncertainty, paradox, creativity, insight and intuition.

LIVE WEBINAR with **William Byers**, mathematician and author of *Deep Thinking* and *Blind Spot* – March 9, 2016 at 4 PM GMT.

PG SEMINAR at Inter-university Centre (IUC), Dubrovnik, Croatia – April 12-15, 2016.



[Click here](#) for more information or contact support@worldacademy.org

MESSAGE FROM THE PRESIDENT

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Dear Colleagues, Happy New Year to all of you and your families. It is time to look back and look forward. 2015 was indeed a very active year for both WAAS and WUC as you can see in the January '16 issue of our WAAS Newsletter.

It starts by highlighting the very important conference on "Science, Technology, Innovation & Social Responsibility" held under the auspices of the United Nations Office in Geneva on November 11, 2015, by CERN (European Center for Nuclear

Research), in collaboration with WAAS. The Conference was held at the Headquarters of CERN, which has signed an MOU with WAAS. It was attended by our WAAS Fellows, by senior officials of CERN and by senior executives of seven UN agencies in Geneva. We also had a session on "Paradigm Shift of Human Development" on November 10 at CERN, with the participation of WAAS Fellows and special invited guests.

Finally, we also had at CERN, a WAAS BoT meeting and a WUC BoD meeting on November 9th. Let me express special thanks to the organizers of these events in Geneva:

Herwig Schopper (CERN and WAAS), **Garry Jacobs** (CEO of WAAS) and **Maurizio Bona** (CERN).

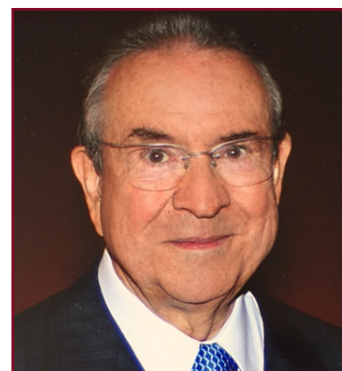
Our Academy held many other activities last year, starting with the webinar on "Essence of Leadership" on February 16, 2015, followed by a PG level course on the same

theme from March 31-April 3, 2015. This was followed by a meeting of the Working Group on "New Paradigm on Human Development" in Podgorica, Montenegro, hosted by **Momir Djurovic**, President of the Montenegrin Academy of Sciences & Arts.

In Kiev, Ukraine, on April 25, hosted by our Fellow **Bohdan Hawrylyshyn**, an International Conference was held on the "State of the World: Need for a New World Paradigm & Role of Ukraine in it", which had the participation of our WAAS colleagues **Ivo Šlaus**, **Garry Jacobs** and **Alberto Zucconi**.

In Baku, Azerbaijan, a conference on "Building Trust in The Emerging World Order" was organized on April 28-29 and an international conference on "Framework for a New Paradigm of Human Development" was also held there, on April 30, with the support of the Nizami Ganjavi International Center.

The XII International Colloquium on "Visions of Sustainable Development, Theory and Action" was held at the University of Florida in Gainesville, Florida, last May 20-22, organized by **Winston Nagan** and by **Joanilio Teixeira** (from the University of Brasilia).



Also, in Gainesville, WAAS and WUC decided to partner with 20 other institutions to develop a course on “*New Economic Theory*” and to explore alternatives for this project.

A course on “*Future Education*” was offered by WUC at the IUC in Dubrovnik, during September 21-23, attended by students online and offline. Several WAAS colleagues attended the international conference on “*Green and Inclusive Economy*” organized by Green Cross International in Geneva on October 6-7.

The first International Conference on “*Anticipation*”, organized by the UNESCO Chair of Anticipation at the University of Trento, in Italy, and co-sponsored by WAAS, was held from November 5-7. Organized by **Roberto Poli**, it was attended by more than 300 international participants, distributed into 17 main sessions and 70 panels.

In 2015, our journals *Cadmus* and *Eruditio* have published a variety of papers presented at our own conferences and meetings, or especially submitted by our WAAS Fellows.

Before the end of the year, a major international conference on “*Democracy in the 21st Century*” was organized by **Ismail Serageldin** at the Library of Alexandria, in Egypt, in which several WAAS Colleagues participated.

I am also happy to mention the contribution of our Secretary General **Nebojša Nešković** to the importance and inclusion of *Multiculturalism* in the WAAS project on New Paradigm of Human Development.

My deep appreciation goes to the continuous support provided by all our WAAS Fellows, by our Board of Trustees, by the Board of Directors of WUC and the full cooperation of our Executive Committee. Very special thanks go to the important, continuous support provided to WAAS by The Mother’s Service Society, India. And warm appreciation also goes to the many partner organizations that have joined hands with us in United Action.

Finally, I would like to recall that in September 2015, world leaders met at the UN, in New York and unanimously approved 17 major Sustainable Development Goals (SDGs) to be attained by 2030; and all countries, through the Addis Ababa Action Agenda of the Third International Conference on Financing for Development, endorsed

by the General Assembly, in Resolution 69/313, held last July, committed to building a global framework on financing, capacity building, technology, trade, debt and other issues to support the realization of the Goals of the SDGs; and finally, in Paris, last December, with the Climate Agreement, at the COP21, governments, NGOs, civil society and the private sector have agreed to transition to a low-carbon, climate-resilient economy, while promoting the shared prosperity and protecting the natural environment of our planet, keeping global temperatures below 2 °C degrees. These developments, once implemented over the next few years, will certainly help WAAS continue its major priority work in search for a “*New Paradigm for Human Development*”.

Now let’s look forward to 2016. I encourage all Fellows of WAAS to join us in these planned activities:

April 12-15, 2016

Course on “*Mind, Thinking & Creativity*”, at IUC, Dubrovnik.

May 11-13, 2016

“*Post-2008 Global Dynamics & Structural Changes: Economic, Political and Eco-Societal Transitions*” (XIII International Colloquium), at the University of Lisbon, in Portugal; the Partners of the “*New Economic Theory*” Project will also meet there.

May 19-20, 2016

Conference on “*Technology+Society=?Future*” in Podgorica, at the Montenegrin Academy of Sciences & Arts.

June 15-18, 2016

The 2nd South East European conference on Sustainable development of Energy, Water and Environment Systems in Piran, Slovenia.

Oct 31-Nov 4, 2016

Course on “*Social Power, Empowerment & Social Evolution*”, at IUC, Dubrovnik.

Contact support@worldacademy.org if you wish to participate in any of the upcoming events.

Heitor Gurgulino de Souza
President

Upcoming Event



INTERNATIONAL CONFERENCE

Technology + Society → Future

May 19-20, 2016, Podgorica, Montenegro

For more information [click here](#).

Social Power



INVITATION TO PARTICIPATE

Social Power, Empowerment & Social Evolution

Oct 31-Nov 4, 2016, Dubrovnik, Croatia

For more information [click here](#).

In 2015 the Academy made significant progress on four strategic management goals:

I. ORIGINAL PROGRAMMING



Intellectually, we have made significant strides to further integrate our program of work by focusing on the transdisciplinary foundations that unify the diverse challenges confronting humanity today. Since fall 2014 WAAS and WUC have conducted four original courses at IUC Dubrovnik on the role of

the individual in social evolution, foundations of a transdisciplinary science of society, transformational leadership and education in the 21st century. These courses have generated fresh perspectives applicable to all the current work of the Academy.

This year we plan to explore two exciting new fields of inquiry. The course on **Mind, Thinking and Creativity** will examine fundamental ways in which our use of mental processes impact on the way we perceive reality and the kinds of knowledge we develop. The course on **Social Power** will explore the source of modern society's remarkable achievements and the factors that determine how the benefits of social progress are distributed. *Leadership in Thought that Leads to Action* is our mission. This series of courses represents an original contribution to thought with immense theoretical significance and practical applications.

II. NETWORKING

WAAS has succeeded in expanding collaboration with other organizations through networks. Five years ago we announced our intention to adopt networking as a strategic goal to increase the outreach and impact of WAAS activities.

The newly formed New Economic Theory Working Group includes 20 institutional partners and more than 50 individual members, many of whom are not Fellows of the Academy.

We also continued implementation of our partnership with CERN and conducted our second conference in association with the UN Office in Geneva which included high level representatives from seven UN agencies. We also held discussions with ILO to plan a conference in 2016.

In addition we continued to collaborate closely with our centers and other partners including Green Cross International, Dag Hammarskjöld University College of International Relations and Diplomacy, Library of Alexandria, The Mother's Service Society, Inter-University Centre, Sustainable Development of Energy, Water and Environment Systems (SDEWES), Bohdan Hawrylyshyn Charitable Foundation, Nizami Ganjavi International Center, Person-Centered Approach Institute and our sister institution World University Consortium.

III. LEADERSHIP

WAAS continues to make progress on the expansion and diversification of its leadership team. We now have an effective six-member Executive Committee that is actively involved in key decision-making. With the completion of the recent elections, we also have a reconstituted and expanded Board of Trustees. The vast majority of our Trustees actively participate in WAAS conferences and Board meetings.

IV. MEMBERSHIP

The rich diversity of WAAS members is our greatest asset. The Academy continues to expand and diversify its membership and to broaden participation of our members in the Academy's growing programming of activities. Still there is enormous scope for both improving the geographic mix and gender diversity of our members and increasing the number of Fellows actively engaged in WAAS activities. Our Membership Communications Team is open and eager to receive new ideas and work with Fellows to develop more effective means to engage our membership.

I look forward to meeting and working with long time and new members to make 2016 a defining year in the history of the Academy.

Garry Jacobs
Chief Executive Officer

Upcoming Event



Call for Papers

Post-2008 Global Dynamics & Structural Changes: Economic, Political And Eco-Societal Transitions

XIII International Colloquium, University of Lisbon | 11-13 May, 2016



CESAM | Centro de Estudos sobre
África, Ásia e América Latina



C3M | RESEARCH IN SOCIAL SCIENCES AND MANAGEMENT
INVESTIGAÇÃO EM CIÊNCIAS SOCIAIS E GESTÃO



Deadline for Paper submission: Feb 29, 2016.

For more information [click here](#).



The period 2015-2016 represented a period of intensive activity on the part of the Executive Committee of the World Academy as well as the membership of the Board of Trustees. 2015 both initiated proposals and important reports of progress on a number of initiatives spearheaded

by the World Academy. Among the most important of these initiatives was the initiation of a certificate course on the Future of Higher Education; a significant progress on the New Economic Theory project, a major initiative; and an international conference on the general theme of anticipation as well as a webinar on the Greek financial crisis. Additionally, WAAS officials attended a conference in Ukraine, which included a focus on the contemporary crises there.

In May 2015, WAAS spearheaded the XII International Colloquium Conference, held in Gainesville, Florida. The conference was titled "*Visions for Sustainable Development: Theory and Action*". Among the outcomes of the conference was the decision to hold a XIII International Colloquium in 2016, in Lisbon, Portugal. Another important outcome was the solidifying of a group of global economic scholars committed to the new economic theory. Commitments were also made to advance this agenda by a multitude of international organizations. A number of programs have been held at the IUC in Dubrovnik, Croatia.

A major conference was held in partnership with CERN; the CERN partnership included reports on a round table on the crisis between Russia, the West and Ukraine; as well as a report on the status of the New World Paradigm and the role of Ukraine. Important reports were also given on the course at the IUC dealing with Effective Leadership and the Future of Higher Education and much more.

There will be a course on Mind, Thinking and Creativity in April 2016 at IUC, a conference on unemployment with the International Labor Organization soon.

Many WAAS Fellows attended the Global Baku Forum on the issue of building trust in the emerging World Order. WAAS furthered its concern for the development of the framework of a new paradigm for human development in Baku, Azerbaijan.

The conference on Anticipation was held in Trento, Italy and far exceeded expectations in the subject of interest and attendance. The immediate outcome will be a major

published work from an interdisciplinary perspective on the importance of the theme of "Anticipation".

The conference held at CERN was well-attended with Fellows of the Academy as well as notable leaders from major international organizations. The CERN meeting generated interactive discussions with several components of the European Physical Society, the Commission on Science and Technology for Development, the International Labor Office, the UN office in Geneva, the World Health Organization and many others. The CERN conference was largely influenced by **Herwig Schopper**, former Director General of CERN, with important contributions from **Garry Jacobs** and **Ivo Šlaus**.

Themes of the conference included the issue of the social responsibility of governments for S&T research, distribution and applications. This was an important discussion chaired by **Emil Constantinescu**. The key speaker was WAAS Fellow **Martin Lees**, Senior Advisor to the Conference of the State's parties on climate change.

Another important theme was the focus on the social responsibility of businesses for S&T research, distribution and applications. Additional themes expanded on the themes of social responsibility in the context of scientific evidence, science and global governance, research and social responsibility, the challenge of innovation and social responsibility, etc.

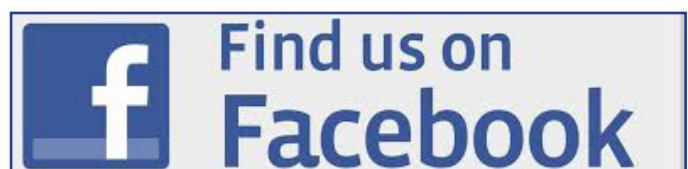
It would be apparent that this past year has been one of immense dynamism, challenging the capacity of the Academy. It is anticipated that these challenges will intensify in 2017 and 2018. The two journals of the Academy, *Cadmus* and *Eruditio*, continue to receive a wealth of articles from the important intellectual talent base of the Academy itself. These journals continue to grow in strength and influence, thanks to the scholarly commitment of the Fellows of the World Academy.

As Chairman of the Board, I sense that advances in global society are at a point where the important presence of scientific influence and intellectual guidance is sorely needed. This is a time and an opportunity for the Academy to be taking a leading role.

I also wish to express my thanks and appreciation for the critical commitment of so large a segment of the Fellows and officials of the World Academy of Art and Science. Current achievements of our Academy would be negligible without your hard work and commitment to values of intellectual integrity, global solidarity as well as a genuine commitment to peace and dignity for all.

Winston Nagan
Chairman

Subscribe to free electronic versions
of *Cadmus* & *Eruditio*



BUILDING A NETWORK OF NETWORKS

During 2015 WAAS made significant strides in forging relationships with other leading academies and international organizations, including the European Academies Science Advisory Council (EASAC) and Leopoldina, which coordinates the activities of EASAC. EASAC has launched several statements, notably on Climate Change, on Circular Economy and on Marine Sustainability. I will be leading a WAAS delegation to Leopoldina's headquarters in Halle, Germany, in early 2016 to explore opportunities for collaboration.

Last year we also strengthened our ties with the UN Office in Geneva by electing **Michael Møller**, DG of UNOG and UN Undersecretary General and **C. F. Bach**, Executive Director of UNECE as Fellows of the Academy. Mr. Møller kindly accepted a personal invitation to participate in the WAAS-CERN conference in Geneva in November 2015. WAAS is proud to be working on a wide range of issues designed to promote implementation of the UN Sustainable Development Goals.

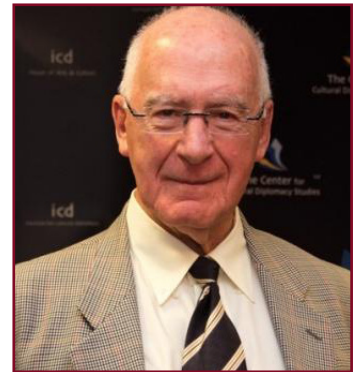
I also explored opportunities for collaboration with **Nebojša Nakićenović**, energy economist, at the SDEWES 2015 conference in Dubrovnik, and with the rector and vice rector of the University of Economics, Bratislava on the Academy's New Economic Theory Project.

Plans are also in motion to organize the WAAS Zagreb conference in May/June 2016. The conference will be mainly devoted to the need for full employment and new economic theory. There will also be a World University Consortium conference in Tetovo/Skopje, Macedonia, which is to be held in cooperation with the South East European University, Tetovo/Skopje.

Colum Murphy, Gjorge Ivanov and I are working on the critical issue of European migration, planning a possible project and an international conference soon.

As the newly appointed chair of the Open to the World Advisory Group, which is part of the Research, Innovation, Science Expert (RISE) High Level Advisory Council, I foresee close collaboration with the organization in the future. **Maria da Graça Carvalho** and **Joao Caraça** of WAAS are already members of the group.

Failures are always more instructive than accomplishments and so it is useful to stress the role played by two apparent failures: First, we proposed, but so far we have not discussed it, the initiation of developing a WAAS project particularly emphasizing the scientific dimension (as demonstrated by the UN endeavor focused on Sustainable Development Goals (SDGs) and by the European Commission's endeavor on Science Diplomacy) by collaborating with other academies. Second, though WAAS joined several organizations in issuing the statement following COP21, we have not released our own statement emphasizing the adoption of SDGs. WAAS has initiated and significantly contributed to the adoption of SDGs, and I hope to see many more such initiatives in the future.



Ivo Šlaus
Honorary President

WAYS TO CONTRIBUTE TO WAAS

1. Active participation in on-going WAAS activities and programs including General Assemblies, conferences and e-conferences.
2. Contribution of creative proposals for new WAAS programming.
3. Networking and forging partnerships and alliances with other organizations.
4. Nomination of new Fellows.
5. Publishing in WAAS journals and newsletters.
6. Service on WAAS Committees.
7. Voting in WAAS elections held annually.*
8. Payment of annual dues as set by the Board.* Present dues for Fellows and Associate Fellows: \$135, Junior Fellows: \$65.
9. Donations and Fundraising.
10. Maintain up-to-date personal directory information accessible only to other Fellows.

* The asterisked items are minimum requirements for membership in WAAS.

SECRETARY GENERAL'S REPORT



I take great pleasure in congratulating and welcoming the newest Fellows, Associate Fellows and Junior Fellows to the Academy. The Trustees really look forward to their active engagement and contribution to the work of the World Academy of Art and Science.

Here are the results of the elections of the Academy that began on January 4, 2016 and ended on February 5, 2016.

(1) The Executive Committee of the Academy re-elected **Liuba Ceban, Aitza Núñez, Ranjani Ravi, Adam Woods** and **Christina Hamilton** as Junior Fellows of the Academy.

(2) The Board of Trustees of the Academy re-elected **Janani Ramanathan, Brianna Silverstein, Ting Xu, Craig Hammer** and **JoAnna McDowell** as Associate Fellows of the Academy and elected **Goran Bandov, Pierre-Antoine Barraillé, Pedro Barri, Carlos Blanco, Luigi Cocchiarella** and **Philip Koenig** as Associate Fellows.

(4) The Plenum of the Academy elected **Loucas Christophorou, Alexander Chumakov, Hazel Henderson, Noam Lior, Amanda Lynch, Mark Swilling** and **Miloš Trifković** as Fellows of the Academy.

(4) The Plenum re-elected **Saulo Casali Bahia, Zbigniew Bochniarz, Ian Burton, Chandana Chakrabarti, Emil Constantinescu, Bohdan Hawrylyshyn, Roberto Peccei** and **Herwig Schopper** as Trustees of the Academy.

(5) The Plenum elected **Rajendra Pachauri** as a new Trustee.

Nebojša Nešković
Secretary General

TREASURER'S REPORT



WAAS was able to significantly expand an impressive program of activities in 2015, thanks to our increasing collaboration with a widening network of excellent partner institutions. We hope to further develop that network in 2016 and beyond as a core strategy for extending the reach and strengthening the impact of Academy's agenda of work.

Nevertheless, WAAS still depends on membership dues to provide the core foundation that supports our administrative and membership services. We view this as a strength of the Academy, rather than a limitation.

It conveys a powerful message that the Fellows, Officers and Trustees of WAAS are deeply committed to the ideals and principles which inspired our founders and that we are members of this institution because we believe in its work and capacity to make a difference in the world.

After all, what other possible reason could there be for WAAS or any other NGO to exist? Clearly, WAAS is not an institution intended to honor its members. It is an institution intended to serve humanity. Payment of the Academy's very modest dues is a concrete way in which every member can contribute.

We are deeply gratified and encouraged by the increasing number of Fellows who are coming forward to fulfill the requirements of membership. Additional contributions to the Academy by those who can afford to share are also deeply appreciated.

WAAS now extends Lifetime Membership to all those Fellows who make donations of \$5000 or more. I hope in the coming year that many more will proudly join the bandwagon.

Alberto Zucconi
Treasurer

NEW TRUSTEE

RAJENDRA K. PACHAURI (INDIA)



Dr. Pachauri is a former Director General of the Energy and Resources Institute (TERI), New Delhi, India. He received the Nobel Peace Prize on behalf of the Intergovernmental Panel on Climate Change (IPCC) in 2007 and remained the Chairman of this organization from April 2002 to February 2015. He was the Founding Director of the Yale Climate and Energy Institute, New Haven, Connecticut, USA, during the period from July 2009 to June 2012 and then Senior Adviser to this Institute between July 2012 and June 2014. He has been active in several international forums dealing with the subject of climate change and its policy dimensions. He was awarded the second-highest civilian award in India, the Padma Vibhushan, by the President of India in January 2008 and has been conferred with many awards and honorary doctorates.

Prior to his work at IPCC, Dr. Pachauri was appointed Member, Economic Advisory Council to the Prime Minister of India in July 2001. He has held various positions in universities all over the world and has served on several board of foundations and companies.

Upcoming Events

Mind, Thinking & Creativity Inter-University Centre, Dubrovnik, Croatia April 12-15, 2016

INVITATION TO PARTICIPATE IN THE POST-GRADUATE CERTIFICATE COURSE ON Mind, Thinking & Creativity

Venue:

IUC, Dubrovnik

Dates:

April 12-15, 2016

Please contact support@worldacademy.org
if you wish to participate in the seminar.



Mind is humanity's highest developed instrument for seeking knowledge; therefore, it is ironic that we invest so little time in education and scientific endeavor trying to understand the nature of mental knowledge, the character of the mental processes by which we arrive at it, the inherent limits to rationality and mental ways of knowing, as well as the extraordinary creative and intuitive processes by which mind transcends those limitations and tends toward genius.

Thinking is the activity by which mind associates, organizes, coordinates and integrates information, thoughts and ideas. Creative thinking is the process by which mind extends the boundaries of existing thought and knowledge to connect, reconcile and unify previously unconnected or contradictory perspectives.

This course will explore the characteristics of mental knowledge and thought processes, types of thinking, the character of rational thought, the mental and social construction of knowledge, deep thinking, creativity and genius.

Rather than focus on abstract philosophical concepts, it will apply this knowledge to understand both the sources of humanity's prolific mental creativity, the characteristic problems it confronts due to irresolvable conflicts and contradictions between mental perspectives, and their resolution in different fields of natural and social science, public policy, collective and individual behavior.

LECTURE TOPICS

- Nature of mind
- Types of thinking
- Conceptual construction of knowledge
- Social construction of knowledge
- Mental creativity & the scientific method
- Objective and subjective forms of knowing
- Deep thinking and paradigm change
- Education and development of the mind in children
- Limits to rationality
- Mental patterns associated with genius
- Insight and intuition

COURSE DIRECTORS

Goran Bandov, Vice Dean, Dag Hammarskjöld University College of International Relations & Diplomacy, Zagreb, Croatia.

Garry Jacobs, Chairman & CEO, World University Consortium.

Winston Nagan, Professor of Law, University of Florida, USA.

Alberto Zucconi, President, Person-Centered Approach Institute, Italy.

Please contact support@worldacademy.org if you wish to participate in the seminar.

CALL FOR PAPERS



Post-2008 Global Dynamics & Structural Changes: Economic, Political And Eco-Societal Transitions



XIII International Colloquium, University of Lisbon | 11-13 May, 2016



CEsA | Centro de Estudos sobre
África, Ásia e América Latina



CSG | RESEARCH IN SOCIAL SCIENCES AND MANAGEMENT
INVESTIGAÇÃO EM CIÊNCIAS SOCIAIS E GESTÃO



Following highly successful conferences at Brazilia in 2014 and Gainesville in 2015, the World Academy of Art & Science and World University Consortium are pleased to collaborate in organizing a three-day conference on Post-2008 Global Dynamics & Structural Changes: Economic, Political and Eco-Societal Transitions at the University of Lisbon on May 11-13, 2016 in association with the Centre for African, Asian and Latin American Studies (CEsA), Research in Social Sciences and Management (CSG), Lisbon School of Economics and Management (ISEG), and University of Brasilia (UnB).

Although the international crisis starting in 2007 managed to generate some skepticism among decision makers, politicians and international organizations, the disturbances it created were apparently not powerful enough to inspire another shared vision of positive paradigm change.

We hope the 2016 International Colloquium will stimulate thought and action on the vision of a sustainable, fair and equitable way to deal with the critical tasks society is facing.

We need to examine the root causes of the current challenges and opportunities so as to formulate an integrated and comprehensive strategy towards the promotion of worldwide change to well-being.

The XIII Colloquium will discuss the current international situation and its systemic stresses with special emphasis on Europe and will explore changes in economic theory and policy needed to cope with the challenges of globalization, mechanization, employment, migration and ecology.

Deadline for paper submission: Feb 29, 2016.

[Click here](#) for more information.

2nd South East European Conference on SDEWES



2nd
SOUTH EAST EUROPEAN CONFERENCE
ON SUSTAINABLE DEVELOPMENT OF ENERGY,
WATER AND ENVIRONMENT SYSTEMS

2nd South East European Conference on Sustainable Development of Energy, Water & Environment Systems

Piran, Slovenia, June 15-18, 2016

The main challenge for South East Europe (SEE) economies is to commit to, and sustain the implementation of, long-term reforms aimed at increasing competitiveness and promoting sustainable, inclusive and balanced development, as well as better integration between the EU Member States, candidate and potential candidate countries and neighbouring countries.

An adequate response to this challenge will certainly require using the best available scientific knowledge and constant re-evaluation of the development process in light of the scientific findings. Therefore, it will be essential to enhance the scientific understanding, improve the long-term scientific assessments, strengthen the scientific capacities and ensure that the sciences are responsive to the emerging needs.

Along this line, a regional series of biannual Sustainable Development of Energy, Water and Environment Systems (SDEWES) conferences have been initiated to provide a venue for researchers from the SEE region, and also for worldwide researchers and specialists and those interested in learning about the sustainability of development, to present research progress and to discuss the state of the art, the future directions and priorities in the various areas of sustainable development and regional integration.

[Click here](#) for more information.

WORLD ACADEMY
OF ART & SCIENCEEUROPEAN ACADEMY
OF SCIENCES AND ARTS

MONTENEGRIN ACADEMY OF SCIENCES AND ARTS

GLOBAL
ROUND TABLEALLEA
ALL EUROPEAN ACADEMIES

INTERNATIONAL CONFERENCE

Technology + Society → Future

May 19-20, 2016, Podgorica, Montenegro

Shaping the future in order to realize the economic and social goals that enable the establishment of a socially inclusive and environmentally healthy community is the fundamental challenge of human society. Technology has been shown to be the key player in meeting this challenge. Still, there remain many uncertainties related to the transformation of scientific results into technology regarding its positive economic potential, and social, and human outcomes. The rapid pace of technological change at the beginning of the twenty-first century, as well as the inability to understand technology and perceive its effects on society is one of the greatest, very subtle, problems of the XXI century.

There are many who, facing the rapid advances in the XXI century, wonder if it will be possible or even desirable to continue along the path of such prodigious change. Technological advances per se do not guarantee above all how they will be used. Tomorrow's technologies may contain destructive potential, a threat to the natural and human environment which may be too powerful and challenging to control. A purely technological risk involves the possibility of greater vulnerability to system-wide breakdowns. Certainly, the risks of over- or underregulation and of undercapitalization error of new technological developments are already present. Furthermore, enthusiasm about new developments often neglects the social, ethical, economic and political constraints. The complement of that is to overlook the secondary, very harmful, effects of new technologies offered for improving the condition of humankind.

The interrelation of technological and cultural changes is vitally relevant in the globalized era in which we live. Associated with a belief in technological determinism, the convergence theory argues that we are becoming more similar to one another—i.e. the world is converging—since we all make use of the same technologies. The role of technological change in promoting the convergence of societies is less certain on the theoretical and empirical grounds. To think of technological change as a universal instrument that dissolves all prior religious, cultural and social patterns is not possible.

The theory of cultural lag is predicated on the belief that habits, thoughts, values and social arrangements often fail

to change at the same speed as technological innovation. The belief that technology acts as an independent force in our life, unaffected by social forces and inertia in change of spirituality is known as “technological determinism”, and if it is true, we have become the servants of technology instead of its master.

No one can argue that technology has not been a key force in shaping the world we live in, and in which we will live, but we need to appreciate the fact that technology has not been independent of the society in which it is imbedded. Does social constructivism therefore offer the possibility for more human agency than technological determinism?

The conference aims to open many questions related to the interaction of emerging technologies and society. With this in mind, the prospective participants are invited to contribute to any of the following topics:

- Technology advances: challenges and threats
- Technology and values
- International relations and technology
- Social construction approach & technological advance
- Technology control, legal and ethical constraints, sustainability
- Technology dependence, power and bureaucracy
- Technology, spirituality and religion
- Technology, future education and cultural lag
- Artificial intelligence and future of humans
- Technology and gender

TECHNICAL DETAILS

Venue: Montenegrin Academy of Sciences and Arts, Podgorica, Montenegro

Date: May 19-20, 2016

Organizer will cover speakers' costs of stay (local transfer, lodging, meals and social events).

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For more information [click here](#).

INVITATION TO PARTICIPATE



SOCIAL POWER, EMPOWERMENT & SOCIAL EVOLUTION

Inter-University Centre (IUC), Dubrovnik, Croatia

Oct 31-Nov 4, 2016

Humanity lives in a time of unprecedented capacity for accomplishment in every field of social life. Never before have we possessed power of this magnitude for good or for evil. Never before has power been so widely distributed within society.

Democracy, law, human rights, science, technology, education and many other forms of social organization have generated immense power. Society governs the possession and exercise of this power through formal structures and institutions, such as law and human rights, as well as through both legitimate and extra-legal informal mechanisms including status, wealth, popularity, political influence and corruption.

The distribution of power in its various forms powerfully impacts on the functioning of the economy, political system, educational, scientific, religious and other social institutions, and on the overall productivity, strength, integrity, harmony and welfare of society.

This transdisciplinary course will explore the sources, expressions, determinants and consequences of the creation, distribution and exercise of social power in its various expressions in politics, economy, society and culture and its consequences for the evolution of society as a whole.

LECTURE TOPICS (partial list)

- Society, social capacity, social power & social potential
- Nature and types of power

- Sources and levers of social power
- Relationship between the distribution of social power, social harmony and human welfare
- Formal and informal centers of power in society
- Authorized and unauthorized exercise of power
- Power and human relationships
- Individual empowerment and disempowerment
- Inter-exchangeability between different forms of power
- Power behind the throne
- Characteristics of money as a form of social power
- Nexus of political, financial and social power
- Democracy and Plutocracy
- Strategies for equitable distribution of social power

COURSE DIRECTORS

Goran Bandov, Vice Dean, Dag Hammarskjöld University College of International Relations & Diplomacy, Zagreb, Croatia.

Garry Jacobs, Chairman & CEO, World University Consortium.

Winston Nagan, Professor of Law, University of Florida, USA.

Alberto Zucconi, President, Person-Centered Approach Institute, Italy.

Please contact support@worldacademy.org if you wish to participate as a faculty member.

RECENT WEBINARS

The Greek Crisis: Need for a Human-centered Theoretical Framework

– September 15, 2015

Anticipation & Complexity 2

– July 21, 2015

Future Education

– Jun 26, 2015

Anticipation and Complexity

– Apr 13, 2015

Essence of Leadership

– Feb 16, 2015

RECENT COURSES

Future Education – September 2015

A Post-Graduate Certificate Course in Future Education was conducted by the World Academy of Art & Science, the World University Consortium, The Mother's Service Society, Person-Centered Approach Institute, Dag Hammarskjöld University College of International Relations and Diplomacy and Inter-University Centre Dubrovnik, Croatia. [Read more](#)

Essence of Effective Leadership – April 2015

A Post-Graduate Certificate Course in Essence of Effective Leadership was conducted by the World Academy of Art & Science, the World University Consortium, The Mother's Service Society, Person-Centered Approach Institute, Dag Hammarskjöld University College of International Relations and Diplomacy and Inter-University Centre, Dubrovnik, Croatia. [Read more](#)

Committee Reports

MEMBERSHIP COMMUNICATIONS COMMITTEE & ELECTRONIC COMMUNICATIONS SUBCOMMITTEE REPORT



In review of 2015, Mem-Com and its subsidiary, EComm Subcommittee, have initiated a number of activities and generated extensive communications, publications and social media material.

In addition to supporting the internal communication with our members, we have also reached out

to develop individual and institutional partnerships. Toward these, we have worked closely with the Nominations and Programming Committees.

Our social media outlets have been regularly updating the Fellows as well as uploading and broadcasting content from our activities for the general public.

Our subscriptions are increasing daily with our WAAS Facebook page—currently, having over 1,000 subscriptions and our YouTube channel—featuring more than 270 videos with over 8,000 views and growing.

The most significant boost in our activities has come from the production of webinars. MemCom and EComm have focused on the extensive process of webinar development and delivery.

Featuring over 50 speakers, we have produced 5 webinars in 2015:

1. Essence of Leadership
2. Anticipation and Complexity I
3. Anticipation and Complexity II
4. Future of Education
5. New Economic Theory – Greek Crisis

Going forward, we intend to continue the New Economic Theory series and plan to develop two additional webinars: Women's Leadership for the New Paradigm and Post-Materialist Science.

We are still looking to raise the level and expand the scope of Fellows' engagement this year and use this opportunity to invite our esteemed Fellows to contribute to WAAS events, projects and publications.

Mila Popovich

Chair, Membership Communications Committee

NOMINATIONS AND EVALUATIONS COMMITTEE REPORT



By September 13, 2015, the Nominations and Evaluations Committee of the World Academy of Art & Science had received nine proposals for Fellowship in the Academy.

These nominations were evaluated by the Evaluations Sub-committee between September 14 and

October 11, 2015. The members of the Sub-committee are **Saulo Casali Bahia**, **Giuseppe Caglioti**, **Chandana Chakrabarti**, **Jüri Engelbrecht**, **Nebojša Nešković** and **Ullica Segerstrale**.

As a result, the Committee asked the Board of Trustees of the Academy

(i) to elect **Pedro Barri** and **Carlos Blanco** as Associate Fellows of the Academy, and

(ii) to propose to the Plenum of the Academy to elect

Loucas Christophorou
Alexander Chumakov
Hazel Henderson
Noam Lior
Amanda Lynch
Mark Swilling and
Miloš Trifković



as Fellows, whom we heartily welcome to the Academy.

The Board of Trustees considered both proposals of the Committee between October 19 and 25, 2015, and accepted them. The Plenum voted on the proposed candidates for Fellowship between January 4 and February 5, 2016, and elected them as Fellows.

Nebojša Nešković & Saulo Casali Bahia
Co-Chairs, Nominations & Evaluations Committee

Editorial Staff

Vasugi Balaji, Latha Chandrasekaran, Janani Ramanathan, Shweta Rangan, Ranjani Ravi, Vani Senthil and Ranganayaki Somaskandan



**LOUCAS CHRISTOPHOROU
(GREECE)**

Permanent Member of the Academy of Athens; Director, Office of Research in Experimental Physics & Chair of Academy's Energy Committee; Member, American Physical Society & European Academy of Sciences & Arts; Fellow, American Association for the Advancement of Science.



**ALEXANDER CHUMAKOV
(RUSSIA)**

Vice-President, Russian Philosophical Society; Professor, Lomonosov Moscow State University; Head of the group of the "Global Research" Institute of Philosophy Russian Academy Science (RAS); Head of the Department of Philosophy, Financial University under the Government of the Russian Federation.



**HAZEL HENDERSON
(USA)**

Futurist; Economics Iconoclast; Creator and co-executive Producer of the public television series Ethical Markets, LLC; Worldwide syndicated columnist; Consultant on sustainable development; Fellow, Britain's Royal Society Of Arts; Honorary Member, Club of Rome.



**NOAM LIOR
(USA)**

Professor, Mechanical Engineering & Applied Mechanics, University of Pennsylvania; Associate Member, Club of Rome; Guest Professor, Institute of Engineering Thermophysics, Chinese Academy of Sciences, Beijing; Chairman, International Scientific Committee.



**AMANDA LYNCH
(USA)**

Lindemann Distinguished Professor of Earth, Environmental and Planetary Sciences; Director, Institute at Brown for Environment and Society, Brown University; Fellow, American Meteorological Society and Australian Academy of Technological Sciences and Engineering.



**MARK SWILLING
(SOUTH AFRICA)**

Distinguished Professor of Sustainable Development, School of Public Leadership, University of Stellenbosch; Academic Director of the Sustainability Institute; Co-Director of the Centre for Complex Systems in Transition; Non-Executive Director, Development Bank of Southern Africa.



**MILOŠ TRIFKOVIĆ
(BOSNIA & HERZEGOVINA)**

President, Academy of Sciences & Arts of Bosnia & Herzegovina; Professor Emeritus, University of Sarajevo; Member, Permanent Joint Commission for the Implementation of the Agreement on Succession Issues of the Former SFRY; Full-time Professor, Open University APEIRON, Travnik.

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Conferences**

**WAAS
Programs**

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Partnerships**



**GORAN BANDOV
(CROATIA)**

Vice Dean, Associate Professor, International Relations & International Law, Dag Hammarskjöld University College of International Relations and Diplomacy; Advisory Member of the Committee for European Affairs of the Parliament of the Republic of Croatia.



**PIERRE-ANTOINE BARRAILÉ
(SWITZERLAND)**

President & Co-Founder of Praneo, a Strategy Organization and HR consulting firm.



**PEDRO BARRI
(SPAIN)**

Director of the Chair of Investigation in Obstetrics and Gynecology, Hospital Universitario Quirón Dexeus; President, Foundation Dexeus Women's Health; Professor, Department of Obstetrics and Gynaecology, Institut Universitari Dexeus, Barcelona, Spain.



**CARLOS BLANCO
(SPAIN)**

Professor of Philosophy, Universidad Pontificia Comillas; Philosopher; Egyptologist; Former Visiting Fellow, Harvard University; Founder, Altius, an organization of young scholars & practitioners; Member, International Association of Egyptologists and Spanish Leibniz Society.



**LUIGI COCCHIARELLA
(ITALY)**

Associate Professor, Department of Architecture and Urban Studies, Polytechnic University of Milan; Visiting Project Associate Professor, Graduate School of Arts and Sciences, University of Tokyo, Komaba; Member, Unione Italiana Disegno and International Society of Geometry and Graphic.



**PHILIP KOENIG
(SWITZERLAND)**

Vice-President and Co-Founder of Praneo, a Strategy Organization and HR consulting firm.



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