



WAAS Management Letter

President's Report

Dear colleagues and friends: Best greetings for this New Year.



Heitor Gurgulino de Souza

It has been a year since I was elected as President of the World Academy of Art and Science and President of the World University Consortium. I am happy to report that the level of activities carried out in 2014, as described in recent newsletters, was really outstanding. So, first of all, I wish to warmly thank and congratulate all of you who have made this possible. Bravo!

Very special thanks also goes to the Members of our Executive Committee, to the continuous support of our Board of Trustees, and the valuable cooperation we have received from many important partners, working closely with us in united action.

On behalf of WAAS & WUC, I wish to thank all of them: Al-Farabi Kazakh National University, CERN, Club of Madrid, Club of Rome, Foundation for Culture of Peace, Green Cross International, Inter-University Centre, International Association of University Presidents, Library of Alexandria, Montenegrin Academy of Sciences and Arts, Mother's Service Society, Nizami Ganjavi International Center, Partnership for Change, Person-Centered Approach Institute and World Future Council.

Looking towards the future, later this year the United Nations Member States will decide on a Post-2015 Agenda for the whole world, to follow the Millennium Development Goals (MDGs) that unfortunately, were not reached by all countries. And in Paris, next November/December, we hope that all countries will agree on a major commitment to follow the Kyoto Protocol, crucial for the long term survival of all humanity. We are now in the process of preparing a

final draft report on a New Paradigm so that it can be circulated globally, before the end of 2015.

This year also promises to be one of unprecedented activities for WAAS and WUC. I have briefly mentioned under Upcoming Events 2015 what is being planned. Other events, either organized by WAAS/WUC, or by others, are still being planned. More information on them will be found on the WAAS website and in the upcoming issues of *Cadmus* and *Eruditio*.

Finally, I cordially invite all WAAS Fellows to actively participate in the expanded agenda of activities of WAAS & WUC, to join us in developing new programs, to help in the dissemination of our work and in forging links in our growing network of WAAS centers and partnerships.

Heitor Gurgulino de Souza
President

Upcoming Events 2015



Course in Effective Leadership
March 31- April 3, 2015,
Dubrovnik, Croatia



The State of the World, Need for a New Paradigm & Role of Ukraine
April 25, 2015, Kiev, Ukraine



Framework for a New Paradigm of Human Development
Apr 29-30, 2015, Baku, Azerbaijan



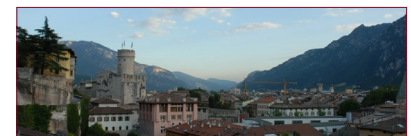
Visions of Sustainable Development: Theory & Action
May 20-22, 2015, Gainesville, FL, USA



Course in Future of Education
September 21-26, 2015,
Dubrovnik, Croatia



10th Conference on SDEWES
September 27 - October 3, 2015,
Dubrovnik, Croatia



First International Conference on Anticipation
Nov 5-7, 2015, Trento, Italy

Honorary President's Report



Ivo Šlaus

Distinguished Fellows of the World Academy, my dear friends,

The year 2015 marks the 55th anniversary of the foundation of our World Academy. Our fast changing world constantly at the edge of

a catastrophe, but yet achieving remarkable successes, demands that our Academy (WAAS) undertakes new challenging tasks. It seems to me that the most prominent features of WAAS activities during the last several years were establishing several WAAS centers (from the first ones in Pondicherry and Podgorica to SDEWES and soon to be established center in Bucharest), initiating the foundation of the World University Consortium, cooperation with many famous civil society organizations, organization of numerous conferences – most recently with Al Farabi Kazakh National University in November 2014 – and unifying all these activities under one goal: human-centered civilization.

WAAS assures its impact through new breakthrough ideas leading to action. Since science is the main driver, outstanding scientists committed to global welfare have to be engaged in WAAS activities – our MoU with the

European Organization for Nuclear Research (CERN) is an excellent example, as is the connection of WAAS with a very successful series of scientific forums devoted to Sustainable Development, Energy, Water and Environmental Systems ([SDEWES](#)) initiated and led by WAAS Fellows and soon to be established collaboration with European Scientific Institute ([ESI](#)).

WAAS is already a member of Inter-Academy Panel (IAP) and Inter-Academy Medical Panel (IAMP), collaborates with World Academy of Sciences for the advancement of science in developing countries (TWAS), All European Academies (ALLEA) and United Nations Academic Impact (UNAI) and is starting to collaborate with League of European Research Universities (LERU), Pontificia Accademia and International Council for Science (ICSU).

Our 50th anniversary was marked by launching [Cadmus](#) Journal (now distributed to all Fellows and also to members of many other civil societies) quickly followed by an e-journal [Eruditio](#) and Academy's Newsletters. We hope that similar major breakthroughs will label our 55th anniversary, and the forthcoming conference in Baku organized together with the Nizami Ganjavi International Center following the Club de Madrid conference, April 27-30, provides such an opportunity.

Ivo Šlaus
Honorary President

An Invitation to Get Involved!

The World Academy of Art & Science is a global network of eminent, informed individuals dedicated to "Leadership in Thought that Leads to Action." We invite all WAAS Fellows to participate and collaborate locally and internationally at the highest levels of global discourse and action to promote the welfare of humanity. Fellows can contribute in multiple ways to the fulfillment of the objectives of the Academy:

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 to forge 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 annual general elections*
8. Payment of annual dues as set by the Board. Present dues are Fellows and Associate Fellows: \$135 (€100), Junior Fellows: \$65 (€50) *
9. Donations and Fundraising
10. Maintaining up-to-date personal directory information (accessible only to other Fellows) and showcasing your projects, books, initiatives, and interests to foster networking with other Fellows

*mandatory

Chairman's Report

Dear Fellows,

The Academy has been engaged in a multitude of dynamic activities this year. To provide a detailed report on all of these would be like preparing a small manuscript for publication so I shall try to focus on high points.

One of the most important initiatives developed by the Academy is the creation of the World University Consortium. The Consortium has a Board of Directors and continues to make progress on such matters as WUC courses, WUC membership issues as well as the WUC website and promotional materials. Alongside these developments, a number of MOOCs have been produced and distributed on subjects of interest to the WUC and the World Academy in general. More are planned and the participation of the Fellows is greatly welcomed.

The Academy had a major meeting in Almaty, Kazakhstan last year. The meeting was regarded as an enormous success with promise of more cooperation in the future. Last year, the Montenegrin Academy of Sciences and Arts launched a well-attended international conference on Transition to a New Society. The proceedings were edited by **Momir Djurovic** and have been published, and are worth acquiring. Our April 2014 conference in Baku will be followed up this year by a much larger Baku conference on the new paradigm in human development. We hope Fellows will be able to participate in this as well. We also plan a major conference on the theme of Anticipation which will be held in Trento, Italy. Additionally, we are co-sponsoring the XII International Colloquium Visions of Sustainable Development: Theory and Actions in Gainesville, Florida, in May.

In addition, we will be joining the WUC in organizing more courses in the Inter-University Center, Dubrovnik. **Alberto Zucconi** and **Ivo Šlaus** are working with The Vatican about the prospect of doing some collaborative work with them.

The Nominations and Evaluations Committee has streamlined its functions and the Board is carefully considering the direction of our evolving partnership strategies. In this regard, our focus on cooperation has been on the movement, intellectually and scientifically speaking, of the new paradigm thinking. The success of our journals has helped to facilitate this process. However, we realize that this shift is not only vitally important for a salvageable global future but is also a shift that is incredibly challenging.



Winston P. Nagan

I also want to draw attention to a policy position that the Board agreed to over a year ago concerning public policy statements. One aspect of the public policy statements issue is whether we should take up particular cases of scientific repression of individuals and target specific governments. This is a matter that generated lively discussion and useful memorandum were exchanged. I suspect that we shall have to revisit this matter again and it may be of value that these memos be distributed to the Board of Trustees for further deliberation.

Finally, although I am not charged with financial matters, I believe that the time is right for us to think about how to specifically approach a cluster of major donors for future funding. There is a great deal more to say but the most important issue is the issue of shaping the framework of global ideas for the future. In this, we have made considerable progress over a short period of time and we may have to give more attention as to how to package and publicize the importance of these ideas in terms of the shape of global public opinion.

Winston P. Nagan
Chairman of the Board of Trustees

Fundraising Committee Report



Alberto Zucconi

Already we have six planned events and more are in the offing. In order to continue the expansion of WAAS programming and impact, we need the support of all Fellows.

Greetings in the New Year! 2014 was a year of unprecedented activity for World Academy & World University Consortium and the agenda of programs for 2015 promises to excel.

Our thanks to Fellows, Life-time Fellows, WAAS Centers and Partners who contributed a record amount of financial support to the Academy in 2014.

According to Board policy, membership dues should be paid before January 31 of each year. Please remit your dues for 2015 before the end of January.

[Click here](#) for detailed information regarding current WAAS dues policy.

Alberto Zucconi
Trustee & Chair, Fundraising Committee

Executive Committee's Report

Three years ago WAAS Fellows adopted a new constitution and instituted an elected Board of Trustees for the first time in decades. Since then many steps have been taken to orient and position the Academy to play a greater and more active role in global affairs attuned to the needs of humanity in the 21st century.

- Five officers, a seven-member Executive Committee, an eighteen member Board, a full-time administrative office in Pondicherry, a Nominations Committee and a Membership Communications Committee are now meeting regularly and working actively to generate new momentum for the Academy.
- More than 100 new Fellows have been elected, and even more significant, the number of Fellows actively committed to promoting the work of the Academy far exceeds earlier times.
- In recognition of the need for global action, WAAS has created an active network which presently includes 7 WAAS Centers and 12 other eminent partner organizations.
- The number, range and variety of WAAS activities are many times greater than at any time in the past.
- A comprehensive program of work addressing critical issues has been formulated under the heading New Paradigm encompassing and integrating political, economic, technological, scientific, social, cultural, psychological and ecological dimensions of global society.
- Reviving an original intention of our founders to establish an informal world university, the Academy has established the World University Consortium in partnership with other leading international organizations.

- Two journals and five newsletters are being published annually.
- A revamped website containing detailed reports on recent and upcoming events and hundreds of articles, books and working papers is being maintained up-to-date.

It is evident that the eminent group of intellectuals who founded WAAS did not intend to create one more traditional academy. Nor were they seeking to honor themselves or their colleagues by creating an élite membership group.



Garry Jacobs

The Academy was established out of deep concern for the social consequences and policy implications of knowledge, a firm belief that fresh thinking and new perspectives are needed that go beyond the conventional wisdom now guiding human affairs, and confirmed faith in the power of ideas to change the world. Thus, the mission of WAAS to provide *Leadership in Thought that Leads to Action*.

The past three years have been an important transition period for WAAS, but the real work of realizing the Academy's mission lies in the future. We need and invite the active participation of all Fellows to join in a collective effort to make WAAS a dynamic and creative contributor, a model for a new type of organization, a pioneer reaching out to collaborate with other like-minded organizations in pursuit of common goals and shared values.

Garry Jacobs
Chief Executive Officer



**UPDATE
YOUR
MEMBERSHIP
INFORMATION**

Please [Click here to update](#)

or

Send an email to
support@worldacademy.org

Upcoming Events



Post-Graduate Certificate Course in Effective Leadership

March 31-April 3, 2015, Inter-University Centre, Dubrovnik, Croatia

This course explores the characteristics common to leaders in business, politics, civil society, science, arts, professions and education and examines methods by which these characteristics can be consciously developed by individuals.

Issues explored in the course –

Perspective: How do leaders develop the capacity to think more objectively, originally and creatively?

Insight: How do visionary leaders acquire the insight and intuition needed to navigate through a rapidly changing and increasingly complex world?

Values: What is the role of values in effective leadership and how do leaders relate to them?

Decision-making: How do leaders make decisions to manage complexity and conflict and reconcile apparent contradictions?

Energy: How do dynamic leaders release, direct, and channel the energies of people for high accomplishment?

Organization: How do professional leaders harness the power of impersonal organization to convert personal intentions into results?

Power: How do effective leaders acquire authority and exercise power for high achievement?

People: How do inspirational leaders empower and motivate other people?

Leadership: How do progressive leaders develop second level leadership?

Challenges: How do adaptive leaders utilize and convert challenges into opportunities?

Skills: What are the essential skills required for effective leadership?

Attitudes: What are the critical attitudes that make for outstanding leadership?

Creativity: How do leaders promote initiative, innovation and creativity in their people and organization?

Individuality: How do leaders grow personally and develop their individuality through work?

Course Leaders

Garry Jacobs: (Social Science & Management); Chief Executive Officer, World Academy of Art & Science and World University Consortium

Winston Nagan: (Law); Chairman of the Board, World Academy of Art & Science; Professor of Law, University of Florida

Ivo Šlaus: (Physics); Honorary President of World Academy of Art & Science; Vice Chair of IUC Council; Dean, Dag Hammarskjöld University College of International Relations and Diplomacy, Zagreb

Alberto Zucconi: (Psychology); President, Person-Centered Approach Institute, Italy; Trustee of WAAS; Secretary General, World University Consortium.

Sponsoring Organizations

- World Academy of Art & Science
- World University Consortium
- Dag Hammarskjöld University College of International Relations and Diplomacy, Zagreb
- Inter-University Centre, Dubrovnik
- Person-Centered Approach Institute, Italy
- The Mother's Service Society, India

[Click here](#) for more information.



International Conference on

“The State of the World, Need for the New World Paradigm and Role of Ukraine in it” April 25, 2015, “Ukrainian House”, Kiev, Ukraine

The Aims of the Conference

- Discover and discuss Global Challenges of the Modern world
- Share the experience of Ukraine with the World in search of solutions to the global crisis
- Integrate Ukrainian experts and think tanks into the global network of decision makers

Topics to be Discussed

During the Conference some of the world-known reflective scientists, scholars, independent thinkers and Ukrainian experts concerned in the destiny of humanity and the problems facing it, will share their experience on the following topics:

- Global challenges confronting humanity in the 21st century
- Principles on which solutions to the global crisis need to be based
- Quest for a new paradigm for global development
- The world is helping Ukraine. Can Ukraine help the world?
- Birth of the political nation and role of the civil society
- Development of value-based society
- Human obligations in the spirit of cooperation

Relevance of the Conference

The world is not in a healthy state. It needs some help in healing itself, in revitalizing its values of freedom, dignity of individual, supremacy of law, social justice (rather than focusing just on money). A shift from the “win-lose” to a “win-win” game is necessary through a shift to acting out of the sense of obligation in the spirit of cooperation.

Ukraine can be of help in the process because it has gone through a very painful process of rebirth of a nation, with values and behavior mentioned above, which could be useful for the world to be conscious of.

Bohdan Hawrylyshyn

Format: One-day conference with two panels each followed by discussion.

Audience

1. Members of Association of the Young Generation Will Change Ukraine Program participants (up to 200).
2. VIP guests (up to 100) – MPs, governmental officials, heads of diplomatic missions to Ukraine, scientists, civil activists, scholars from leading Ukrainian Universities, representatives of socially responsible businesses.
3. Heads and active members of progressive youth organizations (Plast, European Youth Parliament-Ukraine, AIESEC, Association of Students Self-Government), heads and members of pro-active civil organizations (Western-Educated Professionals for Government of Ukraine, Nova Krayina, Foundation of Regional Initiatives), heads of NGOs interested in the topic.

Total number of guests planned: up to 500.

Organizers: Bohdan Hawrylyshyn Charitable Foundation, Club of Rome, World Academy of Art and Science, World University Consortium

Invitation to Participate



International Conference on Framework for a New Paradigm of Human Development *April 29-30, 2015, in BAKU, Azerbaijan*

The accelerated pace of change in the global economic, political, technological, scientific, social and environmental spheres, growing complexity of the interactions and increasing integration of interdependencies between these spheres present unparalleled challenges to human security, welfare and well-being. Persistent poverty combined with rising levels of unemployment, inequality, social unrest, armed conflict, resource depletion and climate instability are symptomatic. These challenges have defied solution by piecemeal, sectoral strategies based on existing concepts and national level policy initiatives.

The current paradigm is destroying natural, human and social capitals and obstructing the evolution of essential institutions for global governance and human welfare. A change of course is essential. Faulting current approaches has so far proven insufficient to bring about a significant change in thinking and action. The potential upside of alternative futures has not been sufficiently documented or projected. The call for a fundamental paradigm change is now accepted by many leading thinkers and institutions, but the precise nature of the change required and the process by which it can be brought about are yet to be defined. A comprehensive strategy is needed to substantiate that practical and effective solutions are possible to successfully address global challenges, backed by quantified research and reliable measures of the desired outcomes.

Over the past two years, the World Academy has organized a series of conferences at the United Nations in Geneva, Library of Alexandria, World Academy of Sciences (Trieste), Montenegrin Academy of Sciences and Arts (Podgorica), University of California at Berkeley, Washington DC, Ottawa, Baku and Almaty on solutions to the current global crises. These meetings have involved a detailed exploration of the limitations of current theory and public policy and formulation of a broad approach to develop a viable alternative paradigm. In addition, WAAS and Club of Rome have been individually and collectively engaged in examining core elements of New Economic Theory and formulation of a trans-disciplinary science of human development.

The conference will discuss a draft report and formulate action plans for implementing ideas proposed in earlier conferences organised by WAAS, Club of Rome, Green Cross International, Nizami Ganjavi International Center, Partnership for Change, World Future Council, World University Consortium and other consortium partners.

The conference to be held on April 29-30, 2015, in BAKU, Azerbaijan will create an action plan for implementing ideas proposed during the Almaty conference organised by the Academy, the World University Consortium and the Al-Farabi Kazakh National University.

For more information, [click here](#).

Call for Papers



XII International Colloquium on Visions of Sustainable Development: Theory and Action Gainesville, Florida, USA, May 20-22, 2015

This colloquium will encourage contributions about alternative visions of sustainable development and explore alternative economic theories that more effectively translate economic activity into sustainable models of economic security and equitable development for humanity as a whole. It will examine current concepts and premises in the light of the rapid and radical changes that have transformed economic activity. It will look at the changes since the period in which most prevalent concepts were formulated to assess their relevance to the knowledge based globalized service economy emerging in the 21st century. Additionally, it will examine the need for formulation of value-based trans-disciplinary science of society that effectively integrates economics with politics, law, society, culture and ecology. Special emphasis will be placed on the challenges confronted by states in transition.

Authors are requested to submit their articles on or before February 28, 2015. Please send in your papers to **Professor Winston Nagan** (nagan@law.ufl.edu) and **Professor Ricardo Araújo** (rsaaraujo@gmail.com).

For more information, [click here](#).

Call for Abstracts & Session Proposals



First International Conference on Anticipation Trento, Italy, November 5-7, 2015

The Anticipation conference is organized by The UNESCO Chair in Anticipatory Systems, together with the World Academy of Art and Science, International Society for the Systems Sciences, the Advanced Design Network, and the Department of Sociology and Social Sciences of the University of Trento.

Anticipation is coming to the fore as an emerging field of study that is influencing a wide variety of disciplines. This international conference will explore the interaction among anticipation, uncertainty and complexity. Some questions that we intend to raise are these: When does anticipation occur in behavior and life? What types of anticipation can be distinguished? What structures and processes are necessary for anticipatory action? How can anticipation be modeled? A better and more complete understanding of anticipation and its effects will improve theories and models of individual and collective human behavior and its consequences. The ability to anticipate in complex environments may improve the resilience of societies facing threats from a global proliferation of agents and forces by articulating uncertainties through anticipatory processes.

The Program Committee invites proposals for dedicated sessions to be organized within the main conference. We invite proposals exploring theoretical and operational issues concerning Anticipation. Multidisciplinary sessions will be particularly welcome.

The Program Committee also invites proposals for contributions to be held within the main conference or within thematic sessions. Please send a one-page abstract to anticipation.trento2015@gmail.com before 15 April 2015.

To know more about the conference, please [click here](#).



INVITATION TO PARTICIPATE IN A SDEWES 2015 SPECIAL SESSION OF INVITED PAPERS

On behalf of the organizing committee of the 10th Conference on Sustainable Development of Energy, Water and Environment Systems scheduled for September 2015 it is our honour and pleasure to invite you to participate in a special technical session of invited papers within the Special Session:

SPECIAL SESSION: Security and Sustainable Development

<http://www.dubrovnik2015.sdewes.org/>

The twentieth century was a century of oil, not only that oil enabled the most fascinating period of growth in human history, fuelling international trade and bringing division of labour to really global levels. Meanwhile oil, being abundant only in some regions has created dependence of trading nations on, has caused many conflicts, and the security of its trade paths has become one of the pillars of the current world order. The price of oil, one of the most important parameters of global economy, reasonably being kept higher allowing for scarcity pricing, based on vacillating agreement between cartel of producers and developed countries, sometimes is being used as a political tool. But oil is exhaustible and conventional type which is cheap to produce may have already reached peaking, creating even higher pressure to control its production and trade. Shale oil and gas may postpone the day of reckoning for a decade or two, but will not change the paradigm. There are many alternatives, but which one is the best? Any energy future based on scarce resources will mean keeping the same paradigm which is utterly unsustainable and keeping humanity on the edge of war. Decoupling development from the use of resources, using only those that are renewable and locally available, would enable a switch to a new sustainable paradigm. Nations would not depend on the scarcity of mineral resources but on the ingenuity of its scientists. With open access to knowledge new technologies would quickly spread and bring prosperity to the entire humanity. Although the goal is set, there are many ways transition may take. The crucial will be integration of energy, transport, water, food and other life supporting systems reaping efficiencies. This special session is dedicated to contributions that would help gather knowledge of interconnections of insecurity and scarcity of resources, and of ways how decoupling of development from resources may help increasing security, bringing sustainable development. The contributions on the politics of new paradigm, the economics of its implementation but also on technical layout are welcome.

In cooperation with World Academy of Art and Science, the session organisers are:

Prof. Ivo Šlaus, Rudjer Boskovic Institute (Email: slaus@mail.irb.hr)

Prof. Neven Duić, University of Zagreb (Email: neven.duic@fsb.hr)

If you believe that you can help shed more light on the issue, we hope you will accept the invitation. Please submit your abstract via web interface:

<http://www.dubrovnik2013.sdewes.org/registration>

by **February 15, 2015**. Be sure to enter the following code when asked during the abstract submission (Session invitation code): **db15ssdev**

For the deadlines for submitting the full paper please visit:

<http://www.dubrovnik2015.sdewes.org/dates.php>

As an invited paper, we would recommend it for publication consideration in the international journals associated with this conference: <http://www.sdewes.org/journals.php>, but in order to be invited the full paper will have to pass the review and you will have to observe the dates for archival papers.

The financial objective of the conference is to break-even and as such the organizers regretfully cannot offer you any reduction in the registration fees. We trust that you will understand the situation and that this will not deter you from participating in the technical session. For more detailed information on the conference please consult the website stated below.

CONFERENCE CONTACT INFORMATION

Special Session Programming Committee Secretary: **Prof. Daniel R. Schneider**

MAILING ADDRESS

2015 SDEWES Conference, FSB, Ivana Lucica 5, HR-10000 Zagreb, Croatia

Fax: +385 1 6156940; E-mail: daniel.schneider@fsb.hr; Web-page: <http://www.dubrovnik2015.sdewes.org>

4th International Scientific Forum, ISF 2015
Education, Climate Change and Economic Development
University of Oxford, United Kingdom, Sept 2-4, 2015



European Scientific Institute, ESI – Interdisciplinary science on 5 continents

The European Scientific Institute, ESI is a global academic platform, connecting thousands of researchers from around the globe. ESI cooperates with universities and academic centres on 5 continents, organizing interdisciplinary conferences, forums and workshops. These academic events gather researchers from different disciplines, giving them an opportunity to present their papers, transfer knowledge and share best practices.

ESI has bases in Macedonia, Portugal and Argentina and is an official partner of UNESCO's World Science Day celebration and a United Nations Academic Impact's member.

WAAS is to establish collaboration with European Scientific Institute soon at the above international forum. **Ivo Šlaus**, Honorary President of WAAS is the keynote speaker.

The Institute is an active supporter of the open access concept, publishing one of the largest open access interdisciplinary journals in Europe – the European Scientific Journal (ESJ). The journal promotes an agile and high-quality review procedure due to the excellent editorial team, composed of researchers from over 150 universities worldwide. Journal content is freely available to the public, contributing to the international dissemination of knowledge. ESJ's website is visited by more than 2 million researchers annually.

Numerous conferences are scheduled in the forthcoming year. New York, Buenos Aires, Tbilisi, New Delhi, Portugal, Barcelona, Amman and Oxford are some of the venues where interdisciplinary, multi-disciplinary and trans-disciplinary scientific approaches will be promoted.



Post-Graduate Certificate Course in
Future of Education

September 21-26, 2015, Inter-University Centre, Dubrovnik, Croatia

Education is the most sophisticated technology evolved by human beings for conscious social evolution. Yet the slow incremental development of education in recent decades has not kept pace with the very rapid evolution of society. WUC and WAAS are projecting far-sighted concepts for a human-centered paradigm in education for the 21st century. The deficiencies of the present system have been well-documented and key characteristics of the new paradigm have been identified. This course will undertake an in-depth examination of essential changes in perspective, goals, values, content and pedagogy of higher education. It will present an opportunity for intense interaction among faculty and students to develop new ideas and strategies.

The lectures will examine various dimensions of the shift in emphasis needed and the means by which the transition can be brought about, including –

- From subject-centered to student- and person-centered education
- From teaching to learning, from passive to active learning
- From faculty as instructors to faculty as facilitators and catalysts of learning
- From memorization, understanding and analysis to independent thinking
- From value-neutral to value-rich knowledge
- From reductionism, compartmentalized to holistic ecological thinking
- From discipline-specific to trans-disciplinary studies
- From theoretical to life-centric knowledge
- From socially insulated to socially-integrated educational institutions

Course Leaders: Garry Jacobs, Winston Nagan, Ivo Šlaus, Alberto Zucconi

[Click here](#) for more information.

Membership Committee Report

In an attempt to generate and encourage greater participation of Fellows in the WAAS programs and activities, Membership Communications Committee (MemCom), together with the Electronic Communications Subcommittee (ECom), has been focusing on the outreach primarily through electronic notifications, publications, and social media. We have seen significant increase in communication and have managed to engage over one third of the Fellows. Toward our current goal to get at least half of our members involved, we intend to get as many Fellows as possible to contribute and join us in one of the most vibrant periods in the Academy's history both in terms of its programs and events and, especially, in terms of its greatest initiative, World University Consortium (WUC).

Along this remarkable growth trajectory, MemCom and ECom committees have played a dual role. On the one hand, we have been inventing new and more effective ways to keep informing members about and engaging them in the ongoings. On the other hand, the committee and subcommittee have been involved in initiating and maintaining institutional collaborations as well. As the institutional collaborations and, with them, a series of international conferences, forums, and round tables have developed, we have produced reports on every event with photo galleries and recordings of speeches and presentations and published them on our websites, Facebook pages, Youtube channels, and in our Newsletters.

In the process of expanding and refining our work, ECom has built and recently launched new websites for both WAAS and WUC. Created to look like sister sites for the sake of a more unified representation, the new [WAAS](#) and [WUC](#) websites are brimming with information, updates, and news. Visit and subscribe to our [YouTube channel](#) that

features over 124 video recordings of lectures, speeches, and presentations from webseminars, conferences, forums and new WUC Courses. Additionally, our [WAAS Facebook](#) and [WUC Facebook](#) pages have been garnering a steady increase in the number of followers. This year, we intend to integrate all our social media outlets for a more convenient and more effective representation of the Academy and the Consortium. Therefore, MemCom and ECom are dedicated not only to supporting but also to re-imagining the Academy's visibility and presence in the world.

As committed as we are to the involvement of our Fellows in the Academy, we are equally invested in honoring and showcasing our Fellows' projects, books, initiatives, and accomplishments. We continue to feature Fellows



Ljudmila Popovich

in our media with photos, biographies, and achievements. We are looking for opportunities to create an ongoing online series that would gather our longtime Fellows with new members into forums designed to open up dialogues and exchanges and strengthen our eminent community. Additionally, MemCom and the Ecom subcommittee will be working closely with our Program Committee to organize a series of webseminars on the core issues the Academy is exploring.

We value your contributions and work, and look forward to your feedback and active engagement in the Academy's work!

Ljudmila Popovich
Chair, Membership Communications Committee

Emeritus Status to WAAS Fellows

Based on the amended Bylaws 2014, Fellows who are 80 years or older have the option of requesting the Board of the World Academy to grant them Emeritus status.

Emeritus Fellows will no longer be asked to pay annual membership dues.

Upcoming Events

WAAS & WUC co-organize with

Bohdan Hawrylyshyn Charitable Foundation
an International Conference on

**THE STATE OF THE WORLD, NEED FOR A NEW
PARADIGM & ROLE OF UKRAINE IN IT**

Location: Kiev, Ukraine

Dates: April 25, 2015

IUC, IACP, DHUC and MSS

**COURSES IN EFFECTIVE LEADERSHIP & FUTURE OF
EDUCATION**

Location: IUC, Dubrovnik, Croatia

**Dates: March 31 - April 3, 2015 (Leadership Course);
September 21-26, 2015 (Future of Education Course)**

Nomination Committee Report

Report on Nominations & Elections

We are pleased to report the results of the Academy's general election of new Fellows and Trustees which began on September 18, 2014 and ended on January 11, 2015 as well as elections conducted by the Board of Trustees and Executive Committee under powers vested in them by the Bylaws:

The Plenum of the Academy elected Keri Facer, Mel Gurtov, David Harries, Erich Hoedl, Donato Kiniger-Passigli, Tu Weiming, Marcel Van de Voorde, Vesna Vučinić and Moneef R. Zou'bi as Fellows.

The Plenum also elected Ian Johnson and Alexander Likhotal as members of the Board of Trustees.

The Board of Trustees of the Academy directly elected Galimkair Mutanov, Rosalia Arteaga Serrano, A. Michael Spence and Vaira Vīķe Freiberga as Fellows and Aira Kalela, András László, Ingrid Stange and Asghar Zaidi as Associate Fellows of the Academy.

The Executive Committee elected Viktoriya Luchka, Mura Palašek and Viktoriia Shvydchenko as Junior Fellows of the Academy.



Nebojša Nešković
Secretary General

New Trustees



Ian Johnson (United Kingdom) — Dr. Johnson has experience in the areas of sustainable development, energy and economic policy. He spent twenty-six years

at the World Bank, starting as an energy economist and financial analyst and working through increasing levels of responsibility. He was, for his last eight years, Vice President for Sustainable Development and, for five years, also Chairman of the Consultative Group on International Agricultural Research (CGIAR).

Prior to joining the World Bank, he was an economist with the British Government and spent five years in Bangladesh working with the United Nations and a non-government organization.

Since leaving the World Bank Ian Johnson has been an advisor to the government of Chile, a member of the Swedish Commission on Climate Change, senior advisor to Global Legislators Organisation for a Balanced Environment (GLOBE) and chair of its Ecosystems Services Panel, as well as consultant to a number of international organizations.

Dr. Johnson has acted as an advisor to the UK government, the UNFCCC and IFAD.

From 2010-2014, Ian Johnson served the Club of Rome as Secretary General. He is an economist who has studied economics at the universities of Wales, Sussex and Harvard and business studies at Harvard.



Alexander Likhotal (Switzerland) Professor Alexander Likhotal is the President of *Green Cross International (GCI)*. He holds doctorates in

Political Science from the Moscow State Institute for International Relations (1975) and History from USSR Academy of Sciences (1987).

In addition to an academic career, he served as a European security analyst for the Soviet Union leadership. In 1991, he was appointed Deputy Spokesman and Advisor to the President of the USSR, Mikhail Gorbachev. After Mr. Gorbachev's resignation, Professor Likhotal served as his advisor and spokesman at the Gorbachev Foundation.

Professor Likhotal is actively involved in furthering sustainable development principles as President of GCI. He has launched internationally acclaimed initiatives such as the Earth Dialogues Forum and Green Cross International's global campaign for the Right to Water. He is also a member of the Club of Rome (Executive Committee), a Councilor at the World Future Council, Board member of the World Culture Forum and serves as advisor to the Club of Madrid. He has held academic positions at Northeastern University (Boston), the Institute of European Studies of the Russian Academy of Sciences (Moscow) and Security Dialogue Journal (Oslo). He has authored numerous publications and articles on environment, global politics and education.

Sustainable Development Goals

13

Note to the Fellows of the World Academy of Art & Science

This note is to convey to you a policy position taken by the Board of the World Academy on the **Need to Support the Sustainable Development Goals**.

First it would be useful for you to know that the Board decided last year that the Academy would take public positions in two instances:

1. When there are insights based upon the Substantive Work of the Academy, as it is a fundamental purpose of the academy to translate for public policy officials and other leaders of thought and action, insights and recommendations based upon scientific inquiry and perceptions from the arts, most particularly those arising from the studies and deliberations of the Academy itself.
2. When there are challenges to the conduct of science and public policy by important institutions, groupings and personalities.

Based upon this policy, the Board, at its meeting in Almaty, Kazakhstan on November 8, 2014 took the position of endorsing the UN Open Working Committee Report for the UN's 2015-2030 Sustainable Development Goals, and urged the Fellows of the Academy to encourage their national governments to support the proposed package of goals and targets.

This note provides you with background and a recommendation for your action.

Background:

The Millennium Development Goals to cover 2000-2015 were a major success and arguably the biggest risk in reputation that the UN has ever undertaken. Fortunately for humanity (and the UN's reputation), the goals led to actions that have been major successes, particularly in spreading primary education, reducing infant and maternal mortality and in raising a very large number of people out of the worst forms of poverty. The set of these goals was relatively easy to agree since they were merely a compilation of the major goals individually agreed at political summits and UN conferences held in the 1990s.

The goals took place during a period of high growth that helped the ambitious poverty goals (halving the number of the poorest) to be achieved. When the goals were adopted there were 3 billion poorest in the world, but by 2010 the number was 1.5 billion, and with the recent World Bank rebasing of national GDPs, that figure is now 800 million. In no period of history has such rapid and positive economic and social progress been made.

Challenge Now:

At the Rio + 20 conference in June 2012, 192 governments



Robert Berg

agreed to a position ("The Future we Want") that a set of goals and targets be established, as a successor to the Millennium Development Goals, to cover 2016-2030. These new goals would be called Sustainable Development Goals (SDGs). Outlined by an outstanding high level Commission co-chaired by the heads of government of the UK, Liberia and Indonesia, the outline has now been articulated and expanded into 17 proposed goals and numerous targets for each goal. This work was accomplished by an Open Working Group of 30 governments with very active cooperation and participation by numerous global, regional and national non-profit organizations. There seems to be consensus among UN officials that the report of the Open Working Group will be the basis of UN General Assembly high level discussions in the Fall of 2015 when it is proposed that Sustainable Development Goals be adopted.

The relevant documents are the reports of the [Open Working Group](#) and the [Rio+20](#) conference.

In summary, the goals are:

Goal 1. End poverty in all its forms everywhere

Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture

Goal 3. Ensure healthy lives and promote well-being for all at all ages

Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

Goal 5. Achieve gender equality and empower all women and girls

Goal 6. Ensure availability and sustainable management of water and sanitation for all

Goal 7. Ensure access to affordable, reliable, sustainable and modern energy for all

Goal 8. Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Goal 10. Reduce inequality within and among countries

Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable

Goal 12. Ensure sustainable consumption and production patterns

Goal 13. Take urgent action to combat climate change and its impacts

*Acknowledging that the United Nations Framework Convention on Climate Change is the primary international, intergovernmental forum for negotiating the global response to climate change.

Goal 14. Conserve and sustainably use the oceans, seas and marine resources for sustainable development

Goal 15. Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

Goal 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels

Goal 17. Strengthen the means of implementation and revitalize the global partnership for sustainable development.

While some two million or more people gave input to the formulation of the Sustainable Development Goals, only recently has the Open Working Committee's work been completed with the above set of proposed goals (accompanied by numerous targets). Although almost all governments approved the Rio+20 report that spelled out many of the topics on which the currently proposed goals are based, there has been no process of head-of-state level approval of the specific goals as had been the case of the Millennium Development Goals. So it is time for interested parties around the world to weigh in on the new proposed goals to help their governments understand the importance of approving most or all of the goals. Without more backbone in the political process there is a risk that the UN General Assembly debates scheduled to begin September 2015 will pick a lowest common denominator approach

and the major opportunity to put sustainability on track will have been lost.

Why should WAAS Care?

If one reads the Open Working Group proposals or even a listing of the 17 proposed goals above, it is clear that the goals cover almost all the concerns that motivate WAAS in its pursuit of a new global paradigm that addresses human progress (including full employment), equity and sustainability. If the goals were enacted as global goals/targets and were well pursued, the quality of life on earth would greatly improve...all in directions that WAAS has outlined in its paradigm work. What the goals lack is an overall framework and strategy, but in the political context of vastly different governments and priorities, it may be the only way that such a set of goals can now be approved.

In most basic terms: Passage of the goals would immensely further the aims now being pursued by WAAS and make subsequent recommendations likely to arise from WAAS' Paradigm work on frameworks, values and education much more easily realizable.

Recommendation to Fellows:

The Board of Trustees, meeting in Almaty, Kazakhstan on November 8, 2014, agreed to support the proposed Sustainable Development Goals and will seek opportunities to encourage adoption of these goals. It also recommends that Fellows support the goals by writing to their governments to convey your own views and the collective view of the Academy that constructive support of the proposed Sustainable Development Goals in the 2015 fall meeting of the UN General Assembly is strongly encouraged.

(Briefing paper drafted by **Robert Berg, Advisor, Board of Trustees**)

Upcoming Events

WAAS partners with

Nizami Ganjavi International Center to conduct an International Conference on FRAMEWORK FOR A NEW PARADIGM OF HUMAN DEVELOPMENT

Location: Baku, Azerbaijan

Dates: April 29-30, 2015

University of Florida & University of Brasilia to conduct XII International Colloquium on VISIONS OF SUSTAINABLE DEVELOPMENT – THEORY AND ACTION

Location: Gainesville, Florida, USA

Dates: May 20-22, 2015

UNESCO Chair in Anticipatory Systems to conduct the First International Conference on ANTICIPATION

Location: Trento, Italy

Dates: November 5-7, 2015

Fall Elections 2014

We welcome all the newly elected fellows, who were elected in the elections that ended in January 11, 2015 or independently by the Board of Trustees in the meeting held in Almaty, Kazakhstan, on November 4 and 8, 2014.

Fellows



Rosalía Arteaga Serrano* (Ecuador): Former President of Ecuador; President, Fundación Fidal (Latin American Foundation for the Integration and Development); Executive Director, Fundación Natura Regional for Ecuador and Colombia; Member, Editorial board, Encyclopædia Britannica.

Keri Facer (United Kingdom): Professor, Educational and Social Futures, Graduate School of Education, University of Bristol; Fellow, Connected Communities Leadership; Author of many publications and books.



Mel Gurtov (United States of America): Professor Emeritus, Department of Political Science, Portland State University; Editor-in-Chief, Asian Perspective.

David Harries (Canada): Chair, Canadian Pugwash; Associate Executive Director, Foresight Canada; Member, Board of Directors, Global Initiatives Project and Proteus Canada; Head, Leadership and Management community, IdeaConnector.net.



Erich Hoedl (Austria): Vice-President, European Academy for Sciences and Arts; Former Rector, Wuppertal University and Graz University of Technology; Founder, Tesla Institute.

Donato Kiniger-Passigli (Italy): Head, Fragile States and Disaster Response Group, International Labour Office (ILO), Geneva; Member, United Nations Disaster Assessment and Coordination Team (UNDAC); Member, Italian Journalist's Society.



Galimkair Mutanov* (Kazakhstan): Rector & Professor, Al-Farabi Kazakh National University; Academician of National Academy of Sciences, Kazakhstan; Doctor of Technical Sciences.

A. Michael Spence* (United States of America): Nobel laureate in Economics (2001); Professor of Economics, Stern School of Business, New York University; Senior Fellow, Hoover Institution, Stanford University; Chairman, Commission on Growth and Development.



Marcel Van de Voorde (Netherlands): Professor, University of Technology Delft, Netherlands; Executive Advisor to Minister for Education and Research, Serbia; Member, Scientific Advisory Board of the French National Assembly & Senate.

Vaira Vike-Freiberga* (Latvia): Former President, Republic of Latvia; Founding Member, Club de Madrid; Member, Global Commission on Elections, Democracy & Security; Chair, European Commission's High Level Group on Media Freedom and Pluralism.



* Fellows elected independently by the Board of Trustees.



Vesna Vučinić (Serbia): Professor, Department of Ethnology and Anthropology, Faculty of Philosophy, University of Belgrade; Chair, World Council of Anthropological Associations (WCAA).

Tu Weiming (China): Professor of Philosophy and Director, Institute for Advanced Humanistic Studies, Peking University; Research Professor and Senior Fellow, Asia Center, Harvard University; Fellow, American Academy of Arts and Sciences.



Moneef R. Zou'bi (Jordan): Director General, Islamic World Academy of Sciences, Jordan; Member, American Association for the Advancement of Science.

Associate Fellows



Aira Kalela (Finland): Senior Adviser, Office of President Tarja Halonen; Senior Advisor, Global Gender and Climate Alliance/Women for Environment and Development.

András László (Belgium): Founding President and CEO, GlobalVisioning.net; Member, European Academy of Sciences and Arts; Founding Fellow, Global Collaborative Alliance; Member, Club of Rome.



Ingrid Stange (Norway): Founder & Chair, Partnership for change; Head of Philanthropy, Formuesforvaltning AS; Founder and Chair, Drøbak Montessori Foundation; Member, Ashoka Support Network.

Asgar Zaidi (Netherlands): Professor of International Social Policy, Centre for Research on Ageing, Southampton University; Senior Research Fellow, CASE, London School of Economics; Senior Advisor, European Centre for Social Welfare Policy and Research, Vienna.



Junior Fellows



Viktoriya Luchka (Ukraine): Ukrainian Youth Delegate to the 69th session of the UN General Assembly; President, NGO Lviv Academy for Human Rights of Don Bosco.

Mura Palašek (Croatia): Independent postdoctoral scholar; Researcher, University of Zagreb.



Viktoriia Shvydchenko (Ukraine): Member, US Embassy Youth Council; Ukrainian Youth Delegate to the 69th session of the UN General Assembly.