
SESSION STRUCTURE

The Role of Frontier Science in Shaping Society

Friday 26 September 14:00 - 16:30

Binhai International Convention&Exhibition Center, Lugano

Preparatory discussion: 13:30 - 14:00

Advancing the frontiers of science and technology opens new opportunities to address some of the most critical issues of our times.

Learn how frontier research is becoming an integral part of national strategies for sustainable development in all countries.

Consecutive interpretation in Mandarin Chinese at one table.

The session will include:

Discussion Leaders

- **Howard Alper**, Chair and President, Science, Technology and Innovation Council, Canada
- **Matt Bross**, Chief Technology Officer, BT, United Kingdom
- **Jüri Engelbrecht**, President, ALLEA (All European Academies), Estonia

Facilitated by

- **Bruce Alberts**, Editor-in-Chief, Science Magazine, USA

Workshop sessions are designed to promote greater interaction between discussion leaders and participants on a compelling challenge or complex issue. They are facilitated group discussions that focus on providing structured interventions from discussion leaders, capturing direct feedback from participants and building consensus on priorities and solutions.

Reporting Press: Not Allowed

Time Allotted: 150 minutes (2.5 hours)

Objective. This session aims to address the following questions:

How does frontier research is becoming an integral part of national strategies for sustainable development in all countries? How is frontier science contributing to the advancement of society and business? What are the most promising fields in frontier science today?

Room setting: Workshop style, with 10 tables accommodating 10 participants each. The Facilitator and the Discussion Leaders will sit at the three front tables in the middle of the room. Each table will have a pre-assigned moderator (from the group of Young Scientists) and 4 to 5 Young Scientists pre-assigned.

All Discussion Leaders and table moderators are asked to come for a special briefing with the facilitator 30 minutes before the session start.

Timeline:

1. At 14:00, opening by Bruce Alberts by which discussion leaders are introduced and the issues presented for discussion.
2. From 14:05 to 14:40, Bruce Alberts will call on the discussion leaders, Howard Alper, Matt Bross and Jüri Engelbrecht to present to the audience their views on frontier science.

3. From 14:40 to 15:00, Bruce Alberts will open the floor to questions for the discussion leaders.

4. 15:00 - 15:40 Breakout sessions at each table.

Bruce Alberts will explain the work for the breakout sessions as follows:

Goals for each table:

- * Identify the ways in which frontier science should be a part of national and business strategies for sustainable development
- * Identify the ways frontier science is contributing today to the advancement of society and business
- * Identify the most promising fields of frontier science for the coming years

The table moderator will conduct the discussion at each table. Young Scientists will highlight successful experiences in their own country that link frontier science, technology and innovation, society and business together. Participants at each table will react to these insights and each table will draw at least three take-aways based on the above goals to be presented at the end of the breakout discussion to the floor in no more than 3 minutes. During the table discussion time, Bruce Alberts, Howard Alper, Matt Bross and Jüri Engelbrecht will move from table to table to listen to the on-going discussions, and provide insights and advice when needed.

5. From 15:40 to 16:10 Bruce Alberts will call on each table to provide a three-minute summary of their discussion.

6. From 16:10 to 16:28, Jüri Engelbrecht, Howard Alper and Matt Bross will react to the results reached by the tables, allowing also time for comments and questions from the audience.

7. At 16:28, Bruce Alberts will briefly draw out key points made by the discussion leaders and bring the discussion to a close by no later than 16:30.

Important: The results and summary of this workshop will be given to the panellists and facilitator of the plenary session "The Globalization of Science and Technology" taking place on Saturday 27 September as a basis for their discussion.