PROGRAM OVERVIEW

THIRD ADVANCED INTERNATIONAL COLLOQUIUM ON
BUILDING THE SCIENTIFIC MIND

Cairo, Egypt - 10-14 May 2009

Keynote presentation:

- David Blanks: *Big History: From Hydrogen to Humans in Ten Easy Lessons*

Presentations, panel discussions, roundtables, workshops and interactive activities:

1. Faiza Hussein Abdallah: *Which home we want to replicate in the universe and is there any room for 'the Third World people'?*
2. Rasha Moustafa Awad: *Building minds for a complex future.*
3. Marten De Vries, & Jaap Swart: *The role of media, mind and identity in a 'liquid' social universe.*
4. Aziza Ragai Ellozy, Brandon Canfield, Kathryn Lawrence, & Tiffany Vora: *On teaching 'Scientific Thinking': A collaborative approach to a student centered active learning and technology enhanced course design.*
5. Carlo Fabricatore, & Ximena Lopez: *Gaming and the scientific mind: The impact of digital gaming on the development of the scientific mind.*
6. Carlo Fabricatore, & Ximena Lopez: *Gaming and the scientific mind: Designing games to develop the scientific mind.*
7. Nesreen Khaled El Molla: *Bringing science to politics.*

8. Martin Gardiner: *Arts, language, purposeful action, development of consciousness, and development of the scientific mind: Implications for education and for sustainable human life.*

9. Jennifer Gidley: *The evolving scientific mind through a transdisciplinary lens.*

10. Paul Grobstein, & Benjamin Olshin: *Looking for new ways of making sense of the universe and the place of humans in it: Foundational and non-foundational thought.*

11. Gary Hampson: *Enriching the academic mind through deepening the scholarship of integration.*

12. Arthur Jordan: *Approaches to the explanation and learning of scientific studies for non-science stakeholders.*

13. Elizabeth Jordan, & Marion Porath: *Problem-oriented approaches to teaching and learning across disciplines.*

14. Jinan Kopadully: *Indigenous games: A natural way of awakening the senses and knowing the world.*

15. Roy McWeeny: *Roundtable on science publishing in Africa: Problems of printing and distribution.*

16. Marion Porath, & Krista Fogel: *Developing young scientific minds: The role of the arts.*

17. Shahinaz Ibrahim Mekheimar: *Health promotion and raising critical awareness with special emphasis on qualitative research.*

18. Shahinaz Ibrahim Mekheimar: *The socio demographic and some personal characteristics of those who value imagination as a quality that children can be encouraged to learn at home, in Egypt. A descriptive study.*

19. John Van Breda: *Building the scientific mind across the disciplinary divide - why deconstructing and reconstructing the 'social' is important.*

20. Jan Visser: *The scientific mind: Why should we care?*

Community building activities inspired by special interests:

In addition to and overlapping with the above listed keynote, presentations, panel discussions, roundtables, workshops and interactive activities, and further activities proposed by participants, a significant portion of the available time during the five-day event will be used to allow participants to self-organize around specific interests. Thus far, Special Interest Groups (SIG) are foreseen to be functioning around the following proposed themes or combinations of them:

- *Learning for Sustainable Futures*
- *Problem Oriented Learning*
- *Personal Health and the Scientific Mind*
- *Transdisciplinarity*
- *Development of the Scientific Mind in the Age of the Internet*
- *UNAWE*[1]
- *Big History & What Curricula for the Schools in a Complex World?*
- *Diverse Cultural, Philosophical and Religious Perspectives on the Scientific Mind*
- *Science and Pseudoscience*
- *Early Child Development and the Scientific Mind*
- *Developing the Scientific Mind in and for a Developing World.*

[1] UNAWE stands for Universe Awareness (see http://www.unawe.org). Our UNAWE partners will carry out a 'Stars at your fingertips' workshop with youths of the El Gamaliya community as part of their contribution to BtSM2009.