

PROGRAM

Second Advanced International Colloquium on
Building the Scientific Mind
Vancouver, BC, Canada, May 28-31, 2007

MONDAY MAY 28

9:00 AM	Registration + welcome + getting to know each other + coffee/tea	All
9:00 AM (overlapping with above)	Preparation individual and group displays for Knowledge Café	Everyone who wishes to develop an initiative in the context of the Knowledge Café
10:30 AM	Opening of the colloquium	Welcome by host, Ron Burnett, President, Emily Carr Institute, followed by brief statement by David Walden, Secretary-General, Canadian Commission for UNESCO
10:45 AM	Introduction to the colloquium by organizer	Jan Visser, President, Learning Development Institute
11:00 AM	Restricted and general complexity: Reinventing the scientific mind with a view to today's problems.	Keynote panel inspired by the work of Edgar Morin. Composition: Michel Alhadeff-Jones; Martin Gardiner; Paul Horwitz; Benjamin Olshin; & Dalva Padilha. Responding from the floor: Ron Burnett; Jane Dougan; Paul Grobstein; Sue McGregor and the audience. Moderator: Jan Visser.
12:00 AM	Identifying and clarifying major issues/questions to be addressed during the colloquium	All. Moderated discussion. During timeslots dedicated to Knowledge Café activities as well as during more formal sessions there will be opportunity to collaboratively explore these issues and questions.
12:30 PM	Lunch break	All. Lunch takes place in the cafeteria. Participants are invited to self-organize and use part of the time available for Knowledge Café related exchanges.
1:30 PM	Brief introduction by authors to workshops, interactive roundtables, and SIGs run during colloquium	Robert Branson; Darrell Cole; Marten DeVries; Krista Fogel; Mariela Herrera; Mara Martin; Mohsen Tawfik; John van Breda; Anda Zeidmane; Yusra Visser; Paul Barach; Jan Visser
2:30 PM	Exploring the Knowledge Café	Opportunity for all to familiarize themselves with all that is available in the Knowledge Café
3:00 PM	Break	Coffee/tea served in Knowledge Café area
3:30 PM	Special interests: (1) Problem-Oriented Learning SIG (2) Health Education SIG (3) Transdisciplinarity SIG (4) Enticing the Scientific Mind (Interactive RoundTable combined with online dialogue on http://www.cabweb.net) (5) Media, Minds & Early Education (Workshop)	Two-hour timeslot for dedicated work on issues of special interest. Authors: (1) Yusra Laila Visser (2) Paul Barach (3) John van Breda (4) Robert Branson (consult http://www.learndev.org/dl/BtSM2007/StartingCABWEBguide.pdf for help with signing up) (5) Marten DeVries & Jaap Swart
5:30 PM	Welcome reception hosted by President Emily Carr Institute	All participants are invited. Reception takes place in the Concourse (adjacent to cafeteria).
7:00 PM	End of Day 1	Participants self-organize for dinner and evening activities.

TUESDAY MAY 29

9:00 AM	Science for the Long-Term Future	Tele-presentation + discussion from Copenhagen, Denmark, by John Scales Avery
9:30 AM	Human thinking: Lessons from Neuroscience	Keynote presentation with discussion by Kalina Christoff
10:30 AM	Break	Coffee/tea served in Knowledge Café area
11:00 AM	An Overview of the Florida Center for Research in Science, Technology, Engineering and Mathematics	Brief presentation with discussion by Michael Spector
11:15 AM	Developing the scientific disposition in formal learning contexts: Applications of project and problem centered learning	Brief presentation with discussion by Yusra Laila Visser (the intervention replaces the one originally planned to be given by Jason Ravitz)
11:30 AM	Special interests: (1) Considering the Pragmatic Mind (Interactive RoundTable) (2) Threats to Nurturing the Scientific Mind in Today's World (Interactive RoundTable) (3) Problem-Oriented Learning SIG (4) Health Education SIG (5) Transdisciplinarity SIG, including workshop on Transdisciplinarity and Curriculum Development: A General Model Proposal.	One-hour timeslot continued thru lunch for work on special interests. Authors: (1) Darrell Cole (2) Mohsen Tawfik & Jan Visser (3) Yusra Laila Visser (4) Paul Barach (5) Mariela Herrera & John van Breda
12:30 PM	Lunch break	All. Lunch takes place in the cafeteria. Participants are invited to self-organize to continue discussions started in previous hour and use part of the time available for Knowledge Café related exchanges.
1:30 PM	Scientific thinking and modernity meet traditional culture.	Presentation with discussion by Benjamin Olshin
2:00 PM	Universe Awareness: Inspiring young children with the beautiful universe.	Presentation with discussion by Carolina Ödman
2:30 PM	Storytelling and Story Analysis: Mechanisms for Influencing the Development of the Scientific Mind	Presentation with discussion by Tom Bigda-Peyton, Julie Johnson, & Paul Barach
3:00 PM	Break	Coffee/tea served in Knowledge Café area
3:30 PM	Special interests: (1) Problem-Oriented Learning SIG (2) Health Education SIG, including presentation with discussion on Technology in the learning environment: A 'love-hate' relationship? (3) Transdisciplinarity SIG (4) Social acumen to resolve complexity (Interactive Forum)	Two-hour timeslot for dedicated work on issues of special interest. Authors: (1) Yusra Laila Visser (2) Ingrid Philibert & Paul Barach (3) John van Breda (4) David Vogt & Lee Iverson
5:30 PM	End of Day 2	Participants self-organize for dinner and evening activities.

WEDNESDAY MAY 30






9:00 AM	For the love of science: Reaching out to the as yet unreachable	Tele-presentation + discussion from Pisa, Italy, by Roy McWeeny, with the participation from behind the table of Angel Sanz and Jan Visser
9:30 AM	Towards a transdisciplinary hermeneutics: A new way of building the scientific mind for learning in the perspective of complex and long-term change	Presentation with discussion by John van Breda (with possible references to the work so far of the Transdisciplinarity SIG)
10:00 AM	The right of pre-school children to developing a scientific mind	Presentation with discussion by Faiza Hussein Abd Alla
10:30 AM	Break	Coffee/tea served in Knowledge Café area
11:00 AM	Scientific mind, critical mind and complexity: Learning from a scientist's life history	Presentation with discussion by Michel Alhadeff-Jones
11:30 AM	Special interests: (1) Problem-Oriented Learning SIG (2) Health Education SIG (3) Transdisciplinarity SIG (4) The scientific mind: Revisiting the construct (Interactive RoundTable) (5) Scientific Creativity in Light of Artistic Spirit: A Literature Review on the Concepts of Intuition and Beauty (Presentation + Interactive RoundTable) (6) The role of science education in forming Developed Cognitive Skills (DCS) (Presentation + Interactive RoundTable)	One-hour timeslot continued thru lunch for work on special interests. Authors: (1) Yusra Laila Visser (2) Paul Barach (3) John van Breda (4) Jan Visser (5) Krista Fogel (6) Anda Zeidmane & Anna Vintere
12:30 PM	Lunch break	All. Lunch takes place in the cafeteria. Participants are invited to self-organize to continue discussions started in previous hour and use part of the time available for Knowledge Café related exchanges.
1:30 PM	Research on how school is nurturing the anti-scientific mind and how this can be changed	Keynote presentation with discussion (via videoconferencing with Washington, DC) by Carl Wieman
2:45 PM	The brain as a story teller/story reviser: Learning/doing by observing/creating	Presentation with discussion by Paul Grobstein
3:15 PM	Break	Coffee/tea served in Knowledge Café area. May, at the discretion of those who adhere to special interests pursued during the subsequent timeslot, be combined with those activities.
3:45 PM	Special interests: (1) Problem-Oriented Learning SIG (2) Health Education SIG (3) Transdisciplinarity SIG (4) Automated muses: A semiotic & philogenetic approach (Workshop)	Almost two-hour timeslot for work on issues of special interest. Authors: (1) Yusra Laila Visser (2) Paul Barach (3) John van Breda (4) Mara Martin & David Vogt
5:30 PM	Preparation for attending conference dinner at Granville Island Hotel (casual)	Relax
6:00 PM	Reception and buffet dinner at Granville Island Hotel	Enjoy the dinner and the conversation. The buffet dinner is preceded by drinks from 6 to 6:30 pm (non-alcoholic fruit punch as well as champagne punch).
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THURSDAY MAY 31

9:00 AM	Nature consciousness	Presentation with discussion by Terrence Keeney
9:30 AM	The arts, skill learning and brain development: Educating a scientific mind	Presentation with discussion by Martin Gardiner
10:00 AM	The mouse is mightier than the key board: What can we learn by observing students' use of computer-based models?	Presentation with discussion by Paul Horwitz
10:30 AM	Break	Coffee/tea served in Knowledge Café area
11:00 AM	Preparation for reporting back on outcomes of SIGs, interactive roundtables, workshops	Half hour preparation for some ten different areas of special interest explored during the colloquium to report back on process, results, and intentions + agreed procedures for follow-up beyond the colloquium
11:30 AM	Reporting back to the plenary on process, results and follow-through of pursued special interests	Series of some ten brief, flash like presentations supported by poster material that remains available for further exploration during the lunch break and rest of the afternoon
12:30 PM	Lunch break	All. Lunch takes place in the cafeteria. Participants are invited to self-organize and use part of the time available for Knowledge Café related exchanges, including the further exploration of the poster material generated by the prior reporting back session on special interests.
1:30 PM	Unleashing the Mind, Regaining the World	Presentation with discussion by Brian Cantwell Smith
2:00 PM	Thinking scientifically. An educational approach to systematizing the way we use knowledge	Presentation with discussion by Dan Laitsch
2:30 PM	Developing 'philosophic' understanding: Using history, model-based reasoning and epistemology to reform science education	Presentation with discussion by Roland Schultz & Awneet Sivia
3:00 PM	What did we do, where did we get, and what's next? Tea/coffee served during session	Discussion among all to collaboratively appreciate and critically evaluate work done, looking ahead towards the future
4:00 PM	Closing	

NOTE: In addition to the special interests mentioned in the above program, participants may, during these same timeslots and outside the program self-organize around other interests of their choice.

LEGEND

	General/Relating to overall organization of the colloquium
	Knowledge Café and informal purposeful interaction
	Plenary sessions providing food for thought
	The scientific mind in action: Work by special interest groups
	Building vision and commitment regarding what to do next