

EARTH



Fourth Symposium of the Humboldt Association of Canada

Banff, 9 – 11 May 2014

Welcome

I want to welcome you to Banff and our fourth Kolleg! The focus of this meeting is simply EARTH—and follows our series of successful national symposia with the elemental themes of Water (Banff, 2005), Fire (Ottawa, 2009) and Air (Vancouver, 2011).

It is an incredibly eclectic symposium which includes academics, leading scientists, researchers, and scholars from almost every discipline. We have a great program in store for you featuring various prominent keynote speakers, as well as brief presentations and discussions about numerous aspects of the theme earth in probably one of the most spectacular settings in Canada. Although many of the delegates are more established Humboldt alumni, you will also see some newer faces in the crowd. We are taking the opportunity to promote the programmes of the Alexander von Humboldt Foundation (Bonn) to Canadian scholars in the early part of their career, while allowing them to network with alumni of those programmes.

So, while you contemplate all things earth, remember that it is also a wonderful chance to share stories and ideas with colleagues who have had a German-Canadian research experience or are just thinking about having one in the near future.

Once again welcome and I wish you all a great symposium. Enjoy!

A handwritten signature in black ink that reads "D. Kennepohl". The signature is written in a cursive, flowing style.

Dietmar Kennepohl, President
Humboldt Association of Canada (HAC)

The Humboldt Association of Canada wishes to express its special thanks to

The Helmholtz-Alberta Initiative



The Humboldt Foundation Liaison Office in Canada (HFLOC)



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and the

Alexander-von-Humboldt Stiftung

for their financial support of the Earth Symposium 2014

EARTH 2014: Program

Friday, May 9 Arrival of Delegates

16:00-18:00 Registration
Kinnear Centre (Room KC 301)

18:00 *Welcome to Delegates and Opening Reception*

Saturday, May 10

07:00-08:15 *Breakfast*
Sally Borden Building (Vistas Dining Room)

Opening Ceremonies
Kinnear Centre (Room KC 301)

08:30 Introductions and greetings

09:00 Keynote: **Prof. Dr. Helmut Echtler** (Universität Potsdam)
Chair: Dietmar Kennepohl

“The Neogene and Active Tectonics of the Central Anatolian Plateau, Turkey”

10:00 *Refreshments*

10:30 Concurrent academic presentations: **Humanities 1**
Chair: Gernot Wieland
Kinnear Centre (Room KC 301)

Michael Herren, "Did the Dark Ages Really Believe the Earth was Flat?"

Dennis Danielson, "Imagining a Planetary Earth and Why it was so Hard"

James White, "Healthy Earth, Sick Earth: The Use of Earth as Etiology and Treatment for Women's Illnesses in the *Trotula*"

10:30 Concurrent academic presentations: **Engineering 1**
Chair: Sigi Stiemer
Kinnear Centre (Room KC 306)

U. Sundararaj, "Polymer Nanocomposites Containing Material from Earth: Carbon Nanotubes, Clay and Block Copolymer for Dielectric and EMI Shielding Applications"

Milana Trifkovic, "Sustainable Energy Systems: Process Systems Engineering Perspective"

J.M. Floryan, "Induced Polarization Effects in Liquid Droplets"

12:00 *Lunch break*

Sally Borden Building (Vistas Dining Room)

13:15 Concurrent academic presentations: **Humanities 2**

Chair: Michael Herren

Kinnear Centre (Room KC 301)

Iain Provan, "Religion and the Care of the Earth: Two Common Beliefs Critically Appraised"

Steve Lofts, "Cassirer and Heidegger on Earth, Dwelling and World"

Gernot Wieland, "Earth to Earth: Plowing through the Etymologies of 'Earth'-related Words"

13:15 Concurrent academic presentations: **Science 1**

Chair: Rolf Mathewes

Kinnear Centre (Room KC 306)

S.R. Valluri, "Thermoelectric Energy Sources for Environmentally Benign Power Generation and Reduction of Air Pollution"

Thomas Baumgartner, "From Earth to Advanced Functional Materials: Organophosphorus Avenues toward Sustainable Energy Applications"

Michael J. Serpe, "New Opportunities for Integrating Nanotechnology and Environmental Monitoring"

14:45 *Refreshments*

15:15 Keynote: **Prof. Dr. Inga Moeck** (University of Alberta)

Chair: Anshuman Khare

Kinnear Centre (Room KC 301)

"Tap the heat: Research in Geothermal Technologies"

16:15 Excursion to Sulphur Mountain Hot Springs (Hot Baths or walking).

19:00 *Symposium Dinner (Reception at 19:00; dinner at 20:00)*

Kinnear Centre (KC 101 Husky Great Hall)

Sunday, May 11

07:00-08:15 *Breakfast*

Sally Borden Building (Vistas Dining Room)

08:30 HAC Business Meeting

Kinnear Centre (Room KC 301)

09:30 Latest news from the Humboldt Foundation

10:00 *Refreshments*

10:30 Concurrent academic presentations: **Science 2**

Chair: Len Wiebe

Kinnear Centre (Room KC 301)

David Begun, "The Changing Earth and the Origin of Earthlings"

Rolf Mathewes, "Fossils Illuminate Earth's Past, Present, and Future"

Jan Veizer, "Planetary Temperature and Climate across Geological Time Scales"

10:30 Concurrent academic presentations: **Medicine/Business 1**

Chair: Dennis Danielson

Kinnear Centre (Room KC 306)

Eric Pinnington, "The Story of Rare Earths from their Academic Interest in the 20th Century to their Current Economical Importance"

Frank W. Stahnisch, "On the Geographical Perspective in Medicine: Preventive Medicine and Climate Change between 1200 and 1900"

Anshuman Khare, "Smart Cities, Smarter Society"

12:00 **ALL** Final Assembly and Closing Remarks

Kinnear Centre (Room KC 301)

12:30 *Lunch and Departure of Delegates*

Sally Borden Building (Vistas Dining Room)