

## 2019 HUMBOLDT KOLLEG ON THE THEME: TRANSITIONS

University of Ottawa, 75 Laurier Ave E, Ottawa, ON K1N 6N5

Thursday, May 8 - Sunday, May 12, 2019

### Day 1: Thursday 09 May – Arrival of delegates

**Location:** uOttawa Lecture Hall TBD

*Evening:* **Welcome Reception** Hosted by Embassy of Germany to Canada, Ottawa

**Location:** German Ambassador Residence, 290 Coltrin Rd, Rockcliffe Park, Ottawa ON K1M 0A5

Signing Ceremony: Extension of the Memorandum of Understanding between the University of Alberta and the German Alexander von Humboldt Foundation for the Humboldt Foundation Liaison Office in Canada (HFLOC)

### Day 2: Friday 10 May

**Location:** uOttawa Lecture Hall TBD

08:00 am – 08:30 am	Session Chair: Prof. El Saddik, U. Ottawa – Formal welcome addresses <i>Dr. Katrin Amian, German Alexander von Humboldt Foundation</i> <i>Prof. Chung-Wai Chow, University of Toronto, President of Humboldt Association of Canada (HAC)</i> <i>Sylvain Charbonneau, Vice President Research, U. Ottawa</i> <i>Francois Cordeau, Canada-Germany Science and Technology Cooperation Treaty Commission Co-Chair</i> <i>Sabine Sparwasser, Ambassador of Germany to Canada</i> <i>Other Sponsors, DAAD, other (TBD)</i>
8:30-10:00 am	Moderator: TBC, Royal Society of Canada – Panel Discussion: High level panel of Canadian and German Research Entities  Potential Topics: Transitions related to Digital Technologies (e.g. storytelling, sustaining languages), Q&A with Students and Early-Career Researchers
10:00-10:30 am	Coffee break

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10:30 am - noon	<p>Session Chair: Prof. Robert Boyd – Plenary Talks (30 min each; multiple disciplines represented, mix of Humboldt Alumni and Canadians)</p> <ol style="list-style-type: none"> <li>1. Science – Prof. Paul Corkum, University of Ottawa and National Research Council of Canada</li> <li>2. History / Humanities – TBD</li> <li>3. Medicine – Prof. Chung-Wai Chow, University of Toronto</li> <li>4. Engineering – TBD</li> </ol>	
Noon -1:30 pm	Lunch	
1:30-2:45 pm	<p>Session Chair: Prof. Robert Boyd Keynote speaker <i>Prof. Gerd Leuchs, Max Planck Institute for the Science of Light, Erlangen</i></p> <p>Plenary Talk – Humanities (TBD)</p>	
2:45-3:15 pm	<p>Room A: 2 talks – 20 min each + 10 min discussion</p> <ol style="list-style-type: none"> <li>1. R. Mathewes; From fossils to forensics - a serendipitous journey</li> <li>2. C. Enenkel; Proteasome Dynamics</li> </ol>	<p>Room B: 2 talks – 20 min each + 10 min discussion</p> <ol style="list-style-type: none"> <li>1. A. D. Bandrauk; Attosecond Science- Future Control of the Quantum Nature of the Electron in Matter</li> <li>2. T. Heyd; Pilgrimage Journey in Matsuo Bash and Alexander von Humboldt</li> </ol>
		<p>Room D: 2 talks – 20 min each + 10 min discussion</p> <ol style="list-style-type: none"> <li>1. Z.-S. Liu; The Environmental Aftermath of Mining and Research Challenges</li> <li>2. M. Herren; Transitioning from Science to Creationism: The Ancient Greek Experience</li> </ol>
3:15-3:45 pm	Coffee break	

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3:45-5:15 pm	<p>Room A: 3 talks – 20 min each + 10 min discussion</p> <ol style="list-style-type: none"> <li>1. S. Thiele; The Energy transition - from the population to renewable energy sources and energy storage</li> <li>2. M. Dack; Forgetting Nazism: Transitioning from Accomplices to Victims in Allied-Occupied Germany</li> <li>3. A. Longtin; Brain Transitions Underlying Spontaneous Behaviour</li> </ol>	<p>Room B: 3 talks – 20 min each + 10 min discussion</p> <ol style="list-style-type: none"> <li>1. R. Henriksen; Can anything transit the speed of light?</li> <li>2. A. E. Arias; Knowledge and science development is well supported and facilitated by immigration, individual and societal transitions</li> <li>3. Y. Fehige*; Modern Science in Transition: Some Historical and Philosophical Perspective</li> </ol>
	<p>Room C:</p> <ol style="list-style-type: none"> <li>1. H. Mantsch; A New Vision of our Physical World</li> <li>2. S. Pejovic; Fluid Mechanics Ambiguous - Yet 99% of Electricity Storage in Water Reservoirs</li> <li>3. C.M. Aybek; The Transnational Migration of Medical Doctors: Risks and Uncertainties during Transitions of Highly Skilled Professionals</li> </ol>	<p>Room D: 3 talks – 20 min each + 10 min discussion</p> <ol style="list-style-type: none"> <li>1. H. Adam, The Transition from Minority Rule to Democracy in South Africa</li> <li>2. W. Hutchison; Transitions between rate and temporal coding of neurons in the brain and tremor in movement disorders</li> <li>3. R. Smirnov; Bowley's law revisited</li> </ol>
	<p>Dinner Break – Participant Self-funded, Local Restaurant suggestion</p>	
<b>7 pm</b>	<p><b>Evening Event – Humboldt Attendees and Guests</b></p> <p>Location: University of Ottawa, Tabaret Hall; Session Chair: Dr. Jennifer Decker, National Research Council Canada (NRC)</p> <p>Lecture and Performance by Canadian Humboldtian <b>Prof. William Kinderman</b>, University of Illinois at Urbana-Champaign</p> <p>“From Desolate Strife to Ecstatic Illumination: Beethoven’s Last Sonata as an Experience of Transition” a lecture recital relating the notion of transition, and transformation, to Beethoven's final Piano Sonata in C minor, op. 111</p>	

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### Day 3: Saturday 11 May

8:30-9:30 am	Plenary Talks – 20 min each Session Chair: Prof. El Saddik, U. Ottawa Location: uOttawa Lecture Hall TBD <ol style="list-style-type: none"> <li>1. Information Sessions on Alexander von Humboldt Programs – Prof. Dietmar Kennepohl</li> <li>2. DAAD programs - TBD</li> <li>3. Humboldt Association of Canada Annual Board Meeting</li> </ol>	
9:30-10:30 am	Plenary Talks – 30 min each Session Chair: Prof. El Saddik, U. Ottawa Location: uOttawa Lecture Hall TBD <ol style="list-style-type: none"> <li>4. Engineering – Prof. Jamal Deen, McMaster University</li> <li>5. History / Humanities – TBD</li> </ol>	
10:30-11:00 am	Poster Session – Competition for Students and Early Career Researchers	
11:00 am -12:30 pm	Room A: 3 talks – 20 min each + 10 min discussion <ol style="list-style-type: none"> <li>1. A. Hicks; Implementation and Efficacy of the Physical Activity Guidelines for Adults with MS</li> <li>2. M. Fritsch; Transitions: space and time in philosophy</li> <li>3. C. Orvig; Harnessing Transitions Between Elements for Radiotheranostics</li> </ol>	Room B: 3 talks – 20 min each + 10 min discussion <ol style="list-style-type: none"> <li>1. J.-M. Menard; Ultrafast transitions in quantum materials</li> <li>2. A. Ramchandran; A new perspective on the wetting of a solid surface by the drops of an emulsion</li> <li>3. T. Baumgartner; Toward a Clean Energy Economy - Development of New Materials for Sustainable Energy Applications</li> </ol>
	Room C: 3 talks – 20 min each + 10 min discussion <ol style="list-style-type: none"> <li>1. A. Chandler; Canada and the German Democratic Republic (GDR), 1968-1989: a Cold War Transition?</li> <li>2. S.R. Valluri; Transitioning from ‘Global warming’ peril: projected positive impact of thermoelectric materials!</li> </ol>	Room D: 3 talks – 20 min each + 10 min discussion <ol style="list-style-type: none"> <li>1. J. Shan; Development and Flight of an Imaging Fabry-Perot Spectrometer for Atmospheric Studies</li> <li>2. D. Kennepohl; Open Science: Higher Education in the 21st Century</li> <li>3. K. Baines; Transitions in Chemistry and Chemists</li> </ol>

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	3. P. Selvadurai; Poro-hyperelastic Soft Tissues	
12:30 pm	Lunch and Transfer to the Canada Science and Technology Museum, 1867 St Laurent Blvd, Ottawa, ON K1G 5A3	
1:30 pm – 3 pm	Lecture at Canada Science and Technology Museum Session Chair: Prof. Chung-Wai Chow Location: Canada Science and Technology Museum, 1867 St Laurent Blvd, Ottawa, ON K1G 5A3  Plenary Talks and Q/A Discussion Session: <ol style="list-style-type: none"><li>1. <b>Lisa Leblanc</b>, Director General, and <b>David Pantalony</b>, Curator, Physical Sciences and Medicine, Canada Science and Technology Museum, Title: Transitioning from Old to New Museum</li><li>2. <b>Dr. Alan Steele</b>, Canada's Chief Metrologist and Director General, NRC Metrology, Title: Transition of the SI System of Units and the New Definition of the kilogram</li></ol>	
3:00 – 3:30 pm	Coffee break	
3:30 pm – 5 pm	Group Discussions and Guided Tour of the Canada Science and Technology Museum - includes a Special Exhibit from Museum Archives relating to the History of Transition in Measurement Standards in Canada, also including Alexander von Humboldt artefacts Location: Canada Science and Technology Museum, 1867 St Laurent Blvd, Ottawa, ON K1G 5A3	

**Day 4: Sunday 12 May – Departure of delegates**

**Location: uOttawa Student Residence**