



The International Environmental Communication Association presents

The 15th biennial Conference on Communication and Environment



Waterlines:

Confluence and Hope through Environmental Communication

June 17 - 21, 2019, University of British Columbia, Vancouver, Canada

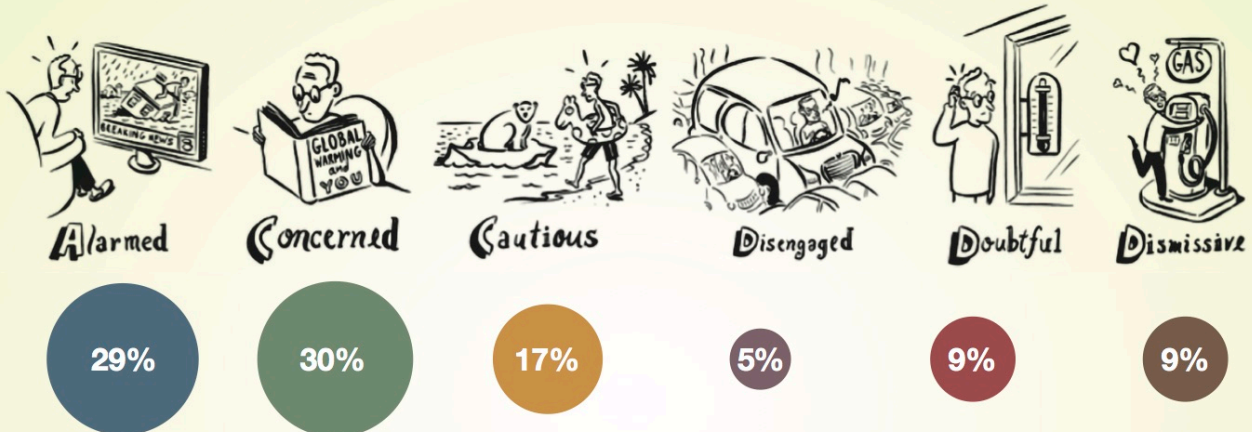
<https://theieca.org/coce-2019>



PROUD SPONSOR OF COCE 2019

We conduct scientific research on public climate change knowledge, attitudes, policy preferences, and behavior, and the underlying psychological, cultural, and political factors that influence them. We also engage the public in climate change science and solutions, in partnership with governments, media organizations, companies, and civil society, and with a daily, national radio program, Yale Climate Connections.

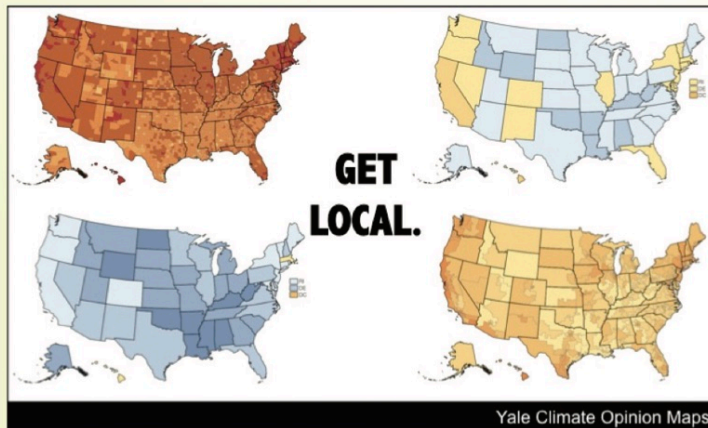
GLOBAL WARMING'S SIX AMERICAS



Illustrations © Michael Sloan

December 2018 (n=1,114)

Our research has identified *Global Warming's Six Americas*: six unique target audiences in the U.S. that respond to climate change in very different ways.



Yale Climate Opinion Maps:

Online interactive maps of public opinion in:
all 50 U.S. states,
435 congressional districts,
916 metro areas,
3,000+ counties,
10 Canadian provinces and
300+ Canadian ridings.

Explore estimates of public opinion about global warming in the United States and Canada in unprecedented geographic detail.

climatecommunication.yale.edu

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Previous COCEs

We stand on the shoulders of Environmental Communication giants...

- 1st COCE: Alta, Utah, USA, 1991
- 2nd COCE: Big Sky, Montana, USA, 1993
- 3rd COCE: Chattanooga, Tennessee, USA, 1995
- 4th COCE: Syracuse, New York, USA, 1997
- 5th COCE: Flagstaff, Arizona, USA, 1999
- 6th COCE: Cincinnati, Ohio, USA, 2001
- 7th COCE: Silver Falls, Oregon, USA, 2003
- 8th COCE: Jekyll Island, Georgia, USA, 2005
- 9th COCE: Chicago, Illinois, USA, 2007
- 10th COCE: Portland, Maine, USA, 2009
- 11th COCE: El Paso, Texas, USA, 2011
- 12th COCE: Uppsala, Sweden, 2013
- 13th COCE: Boulder, Colorado, USA, 2015
- 14th COCE: Leicester, England, 2017

Social Media



Please use this hashtag when tweeting about the conference:

#COCE2019

And please mention us:

@TheIECA



We're also on Facebook:

<https://www.facebook.com/TheIECA>

Photo credits: University of British Columbia

Welcome to COCE 2019

Learned colleagues, on behalf of our merry, international band of organizers, I am delighted to greet you at your 2019 Conference on Communication and the Environment here in beautiful Vancouver, British Columbia, in the traditional, ancestral and unceded territory of the xwməθkwəy̓əm or Musqueam People.

This biennial extravaganza brings together scholars, practitioners, artists, students and concerned citizens from around the world to share research, practices, experiences and stories to foster more effective, ethical and inspiring communication in service of environmental sustainability on the good ship Earth. This edition features delegates from a dazzling kaleidoscope of nations, scattered across six continents. (For next time, we will work on boosting our representation from Antarctica, as not to leave anyone out in the cold.)

Although Canadians comprise the second-largest group of members in the IECA, this marks our association's first biennial foray into Canada. In homage to one of this grand nation's toothier icons, our organizing committee has been beavering away to make this event a rich, memorable and delightful experience for you.

There's a lot waiting for you in this program to feed your hearts, minds and spirits, from the latest research in our evolving discipline to fabulous keynote speakers and panelists, mirth-making activities and unique West-Coast excursions. Hearty thanks to everyone who made COCE 2019 possible. They are gratefully named later in this program.

Thank you so much for joining us! Here's wishing you a wonderful time together at the IECA's flagship event. May the knowledge, experience, associations and happy memories that you gain here follow you long into the future.

With all good wishes,

Geo Takach

Royal Roads University, Chair, COCE 2019 Conference Committee



Acknowledgements

Please thank the following people for helping make COCE 2019 happen.

IECA Conference Committee

Geo Takach, Royal Roads University (Chair); **Shane Gunster**, Simon Fraser University, (Programme Chair); **Alison Anderson**, University of Plymouth, (Programme Subcommittee); **Mark Meisner**, IECA (Many Hats); **Richard Doherty**, IECA Board Chair; **Darlene Farris-LaBar**, East Stroudsberg University; **Jennifer Good**, Brock University; **Gabi Hadl**, Kwansai Gakuin University; **Hanna Morris**, University of Pennsylvania; **Mark Pedelty**, University of Minnesota; **Clive Tesar**, Clive Tesar Consulting; **Fernanda Tomaselli**, University of British Columbia; **Alice Miao**, University of British Columbia.

Awards Committee

Emma Bloomfield, University Nevada Las Vegas; **Jennifer Good**, Brock University; **Hanna Morris**, University of Pennsylvania; **Carrie Packwood Freeman**, Georgia State University.

Graduate Student Pre-Conference

Hanna Morris, University of Pennsylvania; **Laura Seroka**, Bowling Green State University; **Meaghan McKasy**, University of Utah; **Julia Munsaka**, Seton Hall University.

Name tags

Kristen Cappello and **Darlene Farris-LaBar**, East Stroudsberg University.

UBC & Caterers

Lisa Kanavaros; **Jo-Anne Rockwood**; **Sua Hong**, **Karen Morrison**, Scholar's Catering; **Denise Sparrow**, Salishan Catering; all the serving staff, chefs and other helpers.

Organizations

Faculty of Forestry, University of British Columbia; Yale Program on Climate Change Communication; Penn State Science Communication Program; The Arthur W. Page Center for Integrity in Public Communication.

Reviewers

Roy Bendor, Delft University of Technology; **Hanna Bergeå**, Swedish University of Agricultural Sciences; **Peter Berglez**, Jönköping University; **Pat Brereton**, Dublin City University; **Pete Bsumek**, James Madison University; **Brian Cozen**, California State University, Fresno; **Geoffrey Craig**, Auckland University of Technology; **Katherine Cruger**, Chatham Univesity; **Marilyn DeLaure**, University of San Francisco; **Steve Depoe**, University of Cincinnati; **Julie Doyle**, University of Brighton; **Declan Fahy**, Dublin City University; **Darlene Farris-LaBar**, East Stroudsburg University; **Bernhard Forchtner**, University of Leicester; **Kerrie Foxwell-Norton**, Griffith University; **Carrie Freeman**, Georgia State University; **Jennifer Good**, Brock University; **Gabriele Hadl**, Kwansai Gakuin University; **Anders Hansen**, University of Leicester; **Ana Horta**, University of Lisbon; **Helen Hughes**, University of Surrey; **Kathleen Hunt**, Iowa State University; **Libby Lester**, University of Tasmania; **Xinghua Li**, Babson College; **Soenke Lorenzen**, Greenpeace International; **Richard Maxwell**, City University of New York; **Lyn McGaurr**, University of Tasmania; **Maitreyee Mishra**, Manipal University; **Eric Morgan**, New Mexico State University; **Ana Nepote**, Universidad Nacional Autonoma de Mexico; **Peter Oehlkers**, Salem State University; **Ulrika Olausson**, Jönköping University; **James Painter**, Reuters Institute, Oxford University; **Jennifer Peeples**, Utah State University; **Hermine Penz**, University of Graz; **Phaedra Pezzullo**, University of Colorado, Boulder; **Juliet Pinto**, Pennsylvania State University; **Emily Plec**, Western Oregon University; **Michelle Riedlinger**, University of the Fraser Valley; **Chris Russill**, Carleton University; **Johanne Saint-Charles**, Université du Québec à Montréal; **Mike Schäfer**, University of Zurich; **Jen Schneider**, Boise State University; **Steve Schwarze**, University of Montana; **Samantha Senda-Cook**, Creighton University; **Peter Simmons**, Charles Sturt University; **James Spartz**, Unity College; **Michael Svoboda**, George Washington University; **Bruno Takahashi**, Michigan State University; **Chui-Ling Tam**, University of Calgary; **Miguel Vicente Marino**, Universidad de Valladolid; **Franziska Weder**, University of Klagenfurt; **Barbara Willard**, DePaul University.

Venue and Registration

The conference meetings, including registration, keynotes and almost all breakout sessions will be in the Henry Angus Building of the Sauder School of Business at UBC, 2053 Main Mall, Vancouver, BC V6T 1Z2.

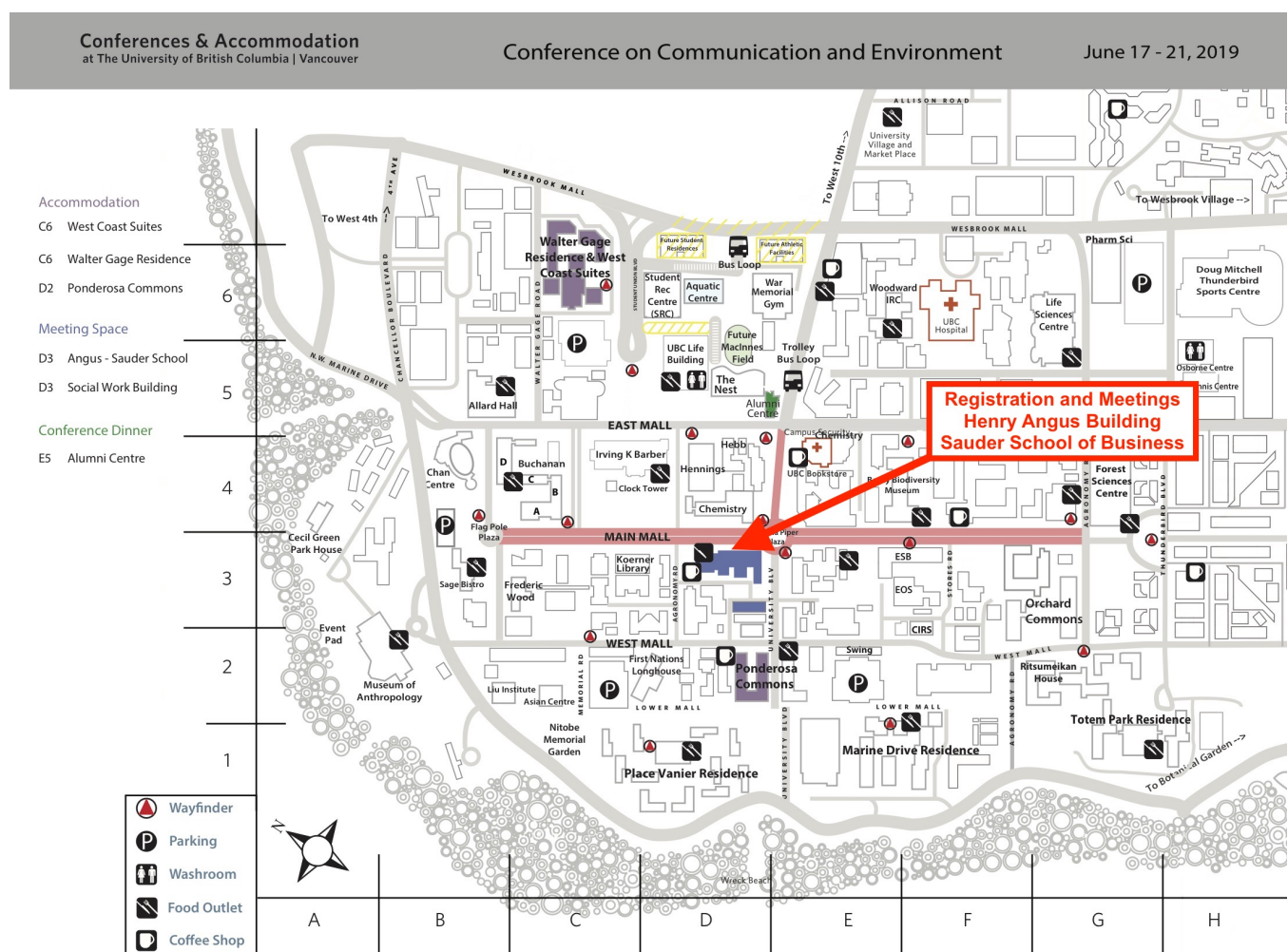
Registration, the opening reception, refreshment breaks, the poster display and the artwork will be in CPA Hall and the adjacent Birmingham Centre on the ground level of the Angus building.

Keynote talks and the plenary panel will be in Angus 098 on the lower level.

Breakout panels will be upstairs (or elevator) in Angus 237, 296, 335, 434, 437, and either Angus 295 or Social Work 124 (in the adjacent Jack Bell Building).

The conference dinner will be in Jack Poole Hall in the Alumni Centre.

Please see the various locations on campus on the map below. Note that the map is oriented sideways.



There is a more detailed campus map online: <http://maps.ubc.ca/PROD/index.php>.

Information for Presenters

A Note About Recordings

All presenters are reminded that their presentations will be audio recorded. This is so that the virtual participants can hear the presentations and in-person participants can listen to any parallel sessions they missed. These recordings will only be made available to conference delegates who log in to the IECA web site.

WiFi

For visitors to UBC, you have two options for WiFi. Everyone can connect to the ubcvisitor network without needing a password.

Alternatively, if your university provides **eduroam** you can connect to UBC's eduroam network provided you have set up your eduroam access at your home institution prior to your travel.

For more details about UBC's network options please visit:

<https://it.ubc.ca/services/email-voice-internet/wireless-internet-access>

Presentation Guidelines

Chairs and presenters are asked to be in the room 10 minutes before the scheduled start time so they can get organized with presentation files, laptop connections, etc.

Oral presentations should typically be no more than 15 minutes when there are 4 presenters in a session. If there are 3 presenters, then 20 minutes each. If there are 5 presenters, then 12 minutes each. This will leave roughly 30 minutes for questions at the end.

Presentation Equipment

All meeting rooms will have computers, data projectors, screens and speakers. You can bring your presentation on a USB stick and use those. You can also bring your own laptop. If you are using a Macintosh laptop, be sure to bring your video adapter.

Virtual Presentations

For presenters who can't make it to Vancouver or who prefer not to fly, we have a virtual presentation option. These presentations will be made using Google Meet or Skype, live at the established time of the session. Check your time zones with [TimeandDate.com's time zone converter](http://TimeandDate.com).

All virtual presenters and Chairs of those sessions should have the latest version of Google Chrome (preferred for Google Meet) or Mozilla Firefox installed. They should also have the latest version of Skype installed if using that.

We urge all virtual presenters to familiarize themselves with how to give a presentation over the Internet, to have a high bandwidth Internet connection at the time of the presentation, and to give their presentation while appropriately situated in a quiet, well-lit room. Please don't try to present from a public space.

Please be ready 10 minutes before the session starts.

We will do our best to make sure it works. However, IECA and the conference organizers cannot be held responsible if something goes wrong with a virtual presentation. Virtual presentations are made at the presenter's risk.

Awards

The Waterlines conference will feature four awards for presenters.

- Outstanding Paper Award: Based on abstract scores, the top ten full papers submitted were evaluated for significance, originality, writing quality, research quality and overall quality.
- Outstanding Student Paper Award: Based on abstract scores, the top three full student-authored papers submitted were evaluated for significance, originality, writing quality, research quality and overall quality.
- Outstanding Poster Award: Outstanding Poster is a "people's choice" award. COCE attendees vote for the poster that best shares original/creative research, significant findings and, in general, is exemplary in its contribution to environmental communication.
- Outstanding Artwork/Music Award: Outstanding Artwork/Music is a "people's choice" award. COCE attendees vote for the artwork or music that they feel best exemplifies environmental communication in the arts.

At the June 17 plenary, Carrie and Emma will introduce the awards, including details about the "people's choice" poster and artwork awards. At the June 20 plenary, Hanna and Jennifer will give out the four awards.

Featured Artists

The art exhibition will be open for the entire conference. But if you want to meet the artists and chat about their work, there will be at least two opportunities. The first will be at the opening reception on June 17. Then, during each of four of the refreshment breaks for the next three days, two artists will be featured. That means they will be at their works and ready to meet and chat with delegates. Please see the programme for details about which artists are featured at each break.

About the Food

All of the food at the opening reception, daily lunches, and refreshment breaks will be roughly 50% vegetarian and 50% vegan. We made this decision in the interest of reducing the conference's impact. In addition, all of the cups, plates and utensils used for these meals will be collected for composting and recycling. Renting dishes would have required also paying for staff and would have greatly increased the cost of the food. Bring your own mug, etc. if you like!

These meals are all being provided by Scholar's Catering. Check out their [sustainability initiatives](#).

Conference Dinner

The dinner is COCE's main social and networking event, and always fun! This year we'll have live music before dinner from The Wilds and an open-mic for COCE musicians after dinner.

The meal will feature planet-friendly fare by Salishan Catering and includes wine, beer and soft drinks. The dinner will be held in Jack Poole Hall in the Alumni Centre.

There are still a few spaces available for the conference dinner on June 18. Places are limited, and will be allocated on a first-come, first-served basis. Please visit the registration desk for tickets.

About your Name Tag

In the spirit of greening the conference, and avoiding single-use plastics, *Waterlines* is bringing you a new conference name tag experience thanks to COCE committee member Darlene Farris-LaBar and her student Kristen Cappello.

Kristen was part of East Stroudsburg University's Art + Design Department's Student Design Agency called New Mind Design when she was presented this project. And we think you will love what she came up with.

Kristen developed four water-related designs for the name tags, evoking rain, oceans, rivers and lakes.

Re-using the already recycled cardboard from soft drink boxes, she and Darlene used a laser cutter to make the name tags. How cool is that!



Visiting Vancouver

Vancouver is a large cosmopolitan city with many attractions and restaurants. The University of British Columbia is located on the Point Grey headlands at the western end of Vancouver, overlooking the Salish Sea. The whole region is unceded Aboriginal territory. UBC is a small city unto itself with many places to eat, drink and visit.

Top UBC attractions

If you have some time while at UBC, you might want to check out [Pacific Spirit Regional Park](#), [Wreck Beach](#), and the [UBC Botanical Garden](#), among other attractions. We also highly recommend the [Museum of Anthropology](#).

On-Campus Eateries

Cafés

- **Great Dane Coffee**, 6011 Walter Gage Rd
- **Bean Around The World Coffee House & Bistro**, 6308 Thunderbird Blvd
- **Loafe Café**, 6163 University Blvd
- **The Boulevard Coffee Roasting Co**, 5970 University Blvd
- **Tim Hortons**, 2033 Main Mall OR 2424 Main Mall
- **Starbucks**, UBC Life Building 6138 Student Union Blvd, OR Technical Enterprise Facility, 6190 Agronomy Rd #3, OR Fred Kaiser Bldg, 2332 Main Mall UBC, OR 5763 Dalhousie Rd

Pubs

- **Mahony & Sons Public House**, 5990 University Blvd, Vancouver, closes at 12:00 am
- **Gallery Patio & Lounge**, UBC AMS Student Nest, 6133 University Blvd 4th floor, closes at 9:00 pm
- **Koerner's Pub**, 6371 Crescent Rd, closes at 12:00 am
- **Biercraft Pub**, 3340 Shrum Lane, closes at 11:00 pm everyday

Restaurants

- **Sage**, 6331 Crescent Rd, only opens between 11:30 to 2:00 Mon to Fri
- **Mercante Pizza**, 6488 University Blvd, closes at 9:00 pm everyday
- **Jamjar Canteen**, one of the two best Lebanese restuarants in Vancouver, 6035 University Blvd, closes at 10:00 pm
- **Baodown UBC**, 6065 University Blvd, closes at 7:00 pm
- **Pie R Squared Pizza Shop**, UBC AMS Student Nest, 6133 University Blvd #1501, closes at 7:00 pm
- The Point Restaurant with Full Bar, 2205 Lower Mall, closes at 9:00 pm
- **Pita Pit**, 5717 Dalhousie Rd, closes at 12:00 pm
- **Vera's Burger Shack**, 2188 Western Pkwy, closes at 10:30 pm
- **Virtuous Pie**, 3339 Shrum Lane, closes at 10:00 pm
- **Chef Hung Taiwanese Beef Noodle**, Granite Terrace III, 3313 Shrum Lane #102, closes at 9:00 pm

Groceries

- **Save on Food**, 5945 Berton Ave, closes at 11:00 pm
- **Shoppers Drug Mart**, Dentistry Bldg, 5940 University Blvd, OR 5968 Webber Lane, closes at 12:00 am
- **Grocery Checkout Fresh Market Vancouver**, UBC AMS Student Nest, 6133 University Blvd, closes at 7:00 pm
- **H Mart Express Asian Food**, 5728 University Blvd, closes at 10:00 pm
- **BC Liquor Stores**, 101-3313 Shrum Lane, closes at 9:00 pm

Nearby Off-Campus Eateries

Pubs

- **The Galley Patio & Grill** with Jericho Beach Water View, 1300 Discovery St, closes at 9:00 pm
- **The Cove Neighbourhood Pub**, 3681 W 4th Ave, closes at 12:00 am
- **Enigma Urban Eatery & Bar**, 4397 W 10th Ave, closes at 10:00 pm
- **Browns Socialhouse Point Grey**, 3651 W 10th Ave, closes at 12:00 am
- **The Wolf & Hound**, 3617 W Broadway, closes at 12:00 am

Restaurants

- **The Naam**, vegetarian and vegan destination, 2724 West 4th Avenue, open 24 hours a day
- **East Is East**, best Afghan and Tibetan restaurant in Vancouver, 3035 W Broadway, closes at 10:00 pm
- **Banana Leaf** in Kitsilano Malaysian Restaurant, 3005 W Broadway, closes at 10:00 pm
- **La Brass**, 4473 W 10th Ave, closes at 9:00 pm
- **Nuba** in Kitsilano, one of the best two Lebanese restaurants in Vancouver, 3116 W Broadway, closes at 9:00 pm
- **YuShang Hot Pot**, best Chinese Hot Pot in Vancouver, reservation definitely needed, 950 W Broadway #202, closes 11:00 pm
- **Rajio Japanese Public House**, 3763 W 10th Ave, closes at 11:00 pm
- **Burgoo Neighbourhood Bistro**, 4434 W 10th Ave, closes at 10:00 pm



Invited Speakers

All plenary sessions with invited speakers will be held in **Angus 098**.

Debra Sparrow

Monday, June 17, 5:30pm

Debra Sparrow was born and raised on the Musqueam Indian Reserve and is self-taught in Salish design and jewellery-making. Her work can be seen in various museums and institutions.

Debra designed the logo for the Canadian Men's Hockey Team for the 2010 Olympic and Paralympic Winter Games in Vancouver, B.C.

She also continues to work on pieces close to her heart at her home in Musqueam. It is Debra's hope to educate others about the beauty and integrity of her people's history through her art.

Debra is an acclaimed weaver who has been weaving for twenty years and is deeply involved with the revival of Musqueam weaving. Her Musqueam blankets are displayed at the Vancouver Airport, and at UBC.



James Hoggan

Monday, June 17, 5:45pm

James Hoggan, JD, is a best-selling author and president of an award winning public relations firm.

Jim writes and speaks widely on public relations, communications and incivility in the public sphere, keying especially on lessons from his most recent book *I'm Right and You're an Idiot: The Toxic State of Public Discourse and How to Clean It Up*.

Hoggan has spent more than a decade studying today's warlike approach to public discourse, looking at how unyielding one-sidedness defeats our efforts to resolve global problems, and how self-awareness, empathy and pluralistic advocacy could help us cut through this toxic barrier to change.

He is seen as one of the gurus in his field, whether defending the reputations of civil society organizations, public institutions or prominent corporations, and the leaders who run them.

A tireless advocate for ethics in public discourse, he founded the influential online news site DeSmogBlog that reports on public relations trickery and that Time Magazine included in its 2011 list of the internet's best blogs.

Hoggan is former Chair of the David Suzuki Foundation and Al Gore's Climate Project Canada. He has served on numerous national and international boards and advisory committees including Shell Global's External Review Committee in The Hague, the Dalai Lama Centre for Peace and Education, and The Four Great Rivers Society.

He is the author of two other books, *Do the Right Thing: PR Tips for a Skeptical Public* and *Climate Cover-Up: The Crusade to Deny Global Warming*.



Karen Bakker

Tuesday, June 18, 9am

Dr. Karen Bakker is Professor and Canada Research Chair at the University of British Columbia.

The author of more than 100 academic publications Dr. Bakker is a Pierre Elliott Trudeau Foundation Fellow and member of the Royal Society of Canada's College of New Scholars, Artists and Scientists.

She obtained her PhD from Oxford University, where she studied as a Rhodes Scholar.

She was the recipient of Stanford University's Annenberg Fellowship in Communication in 2015/2016.

Karen regularly acts as an advisor and consultant to national and international organizations, including the UNDP, OECD, and the International Institute of Sustainable Development.

Her public engagement has included teaching a MOOC on the Harvard edX platform, and extensive media contributions.

Karen is passionate about equity and diversity, and is currently focusing the majority of her research on issues of decolonization and technological innovation.



Libby Lester

Wednesday, June 19, 9am

Libby Lester is Professor of Journalism, Media and Communications, and Associate Dean, Research for the College of Arts, Law and Education at the University of Tasmania, Australia.

She has authored, co-authored and co-edited six books, including Leadership and the Construction of Environmental Concerns (Palgrave Macmillan 2017), Environmental Pollution and the Media: Political Discourses of Risk and Responsibility in Australia, China and Japan (Routledge 2017), and Media and Environment: Conflict, Politics and the News (Polity 2010; Arabic ed 2013).

Her research has appeared in leading international journals, including Media, Culture & Society, Environmental Communication, International Communication Gazette, Journalism, Forestry, International Journal of Communication, Environmental Policy and Governance, and International Journal of Press/Politics.

She has been a Visiting Fellow at Oxford University's Reuters Institute for the Study of Journalism and at the National Graduate Institute for Policy Studies in Tokyo.

Her current research program, funded by the Australian Research Council, is focussed on trade, resource extraction and supply, and environmental communications.

Before joining the University of Tasmania, she worked as a journalist, reporting on social, political and environmental issues for major Australian newspapers and magazines.





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College of Communications

The Page Center and Science Communication Program are proud sponsors of the 2019 IECA Conference



Penn State's Pinto wins Knudson Award

Congratulations to Science Communication Program Senior Scholar Juliet Pinto for her new book "News Media Coverage of Environmental Challenges in Latin America and the Caribbean," winner of the 2019 AEJMC Knudson Award.

THE ARTHUR W. PAGE CENTER — *for integrity in public communication* —

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thepagecenter.org



SCIENCE COMMUNICATION Program

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bellisario.psu.edu/scicomm

Programme

Notes about the programme

Papers and posters marked with * will be presented virtually.

All other presentations are listed in the order they were submitted.

The posters and art works will be on view throughout the conference.

The programme is also available [online](https://theieca.org/conference/coce-2019-vancouver/conference-programme) with links to the abstracts.

<https://theieca.org/conference/coce-2019-vancouver/conference-programme>

	Monday, June 17	Tuesday, June 18	Wednesday, June 19	Thursday, June 20	Friday, June 21	
8:30	Registration	Registration	Registration	Registration	Optional Excursions: Vancouver Island and Royal Roads University Greenpeace Exhibit at Vancouver's Maritime Museum UBC Museum of Anthropology and Botanical Gardens Cycling Tour of Stanley Park	
9:00		Keynote: Karen Bakker	Keynote: Libby Lester	Roundtable Panel: Environmental Communication and National Controversy: The Trans Mountain Pipeline		
9:30	Pre-conferences			Poster and artwork setup		Break
10:00		Parallel Sessions A	Parallel Sessions D			
10:30						Lunch
11:00		Parallel Sessions B	Parallel Sessions E			
11:30						Break
12:00		Parallel Sessions C	Parallel Sessions F			
12:30						Welcome: Debra Sparrow Keynote: James Hoggan
13:00		Opening Reception and Art & Posters Exhibition*	Conference Dinner (18:30 - 23:30)			
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23:00

* The Art & Posters Exhibition will continue throughout the conference.

At-a-Glance Program

Monday, 17 June

9:00 – 10:00 • Registration (CPA Hall / Birmingham)

9:15 – 16:00 • Graduate Student Pre-Conference (Angus 296)

9:30 – 12:30 • Pre-Conference - Refuge: Creative Lab for Reimagining Disaster Preparedness, Response and Recovery (Angus 292)

13:00 – 16:00 • Pre-Conference - A Communication Tactical Plan in less than 3 hrs (Angus 292)

13:00 – 16:00 • Pre-Conference - Vancouver: a "City of Reconciliation" and one of the world's greenest cities - A workshop on what Vancouver can offer a rapidly urbanizing planet

14:30 – 17:30 • Registration (CPA Hall / Birmingham)

17:30 – 17:45 • Welcome (Angus 098)

17:45 – 19:00 • Keynote: I'm Right and You're an Idiot: The Toxic State of Public Discourse and How to Clean it Up (Angus 098)

19:00 – 20:30 • Opening Reception (CPA Hall / Birmingham)

- Artworks (CPA Hall / Birmingham)
- Posters (CPA Hall / Birmingham)

Tuesday, 18 June

9:00 – 9:15 • Announcements (Angus 098)

9:15 – 10:30 • Keynote: The Future of Environmental Communication in an Era of Digital Disruption (Angus 098)

10:30 – 11:00 • Refreshment Break (CPA Hall / Birmingham)

11:00 – 12:30 • Parallel Sessions A

- 1 - When Ice Becomes Water: Environmental Communication Within and Outside a Rapidly Changing Arctic (Angus 295)
- 2 - Citizen Science (Angus 434)
- 3 - Mediating Technologies (Angus 237)
- 4 - Water Governance & Collaboration (Angus 335)
- 5 - Gender & Sexuality in EC (Angus 292)
- 6 - Waters of Africa (Angus 437)

12:30 – 13:30 • Lunch (CPA Hall / Birmingham)

13:30 – 15:00 • Parallel Sessions B

- 7 - Waterlines, Melody Lines, and the Environmental Imagination: Mobilizing Community through Music - part 1 (Angus 295)
- 8 - Public Understanding & Engagement (Angus 434)
- 9 - Climate News (Angus 237)
- 10 - Dams (Angus 335)
- 11 - Talking Nature (Angus 292)
- 12 - Nuclear Energy and Risky Waters (Angus 437)

15:00 – 15:30 • Refreshment Break (CPA Hall / Birmingham)

15:30 – 17:00 • Parallel Sessions C

- 13 - Waterlines, Melody Lines, and the Environmental Imagination: Mobilizing Community through Music - part 2 (Angus 295)
- 14 - Effects of Social Media Polarisation on Public Opinion, Knowledge and Engagement with Environmental Issues (Angus 434)
- 15 - Climate News & Audiences (Angus 237)
- 16 - Engaging Stakeholders on Water (Angus 335)
- 17 - Eco-Culture (Angus 292)
- 18 - Saving Animals (Angus 437)

18:30 – 22:30 • Conference Dinner (Alumni Centre, Jack Poole Hall)

Wednesday, 19 June

9:00 – 9:15 • Announcements (Angus 098)

9:15 – 10:30 • Keynote: Confluence or Cash? When the Transnational Meets the Local in Conflicts over Water (Angus 098)

10:30 – 11:00 • Refreshment Break (CPA Hall / Birmingham)

11:00 – 12:30 • Parallel Sessions D

- 19 - Farm Waters (Social Work 124)
- 20 - The land and the people: Far-right environmental communication in Europe and the United States (Angus 434)
- 21 - News Coverage of Climate Extremes (Angus 237)
- 22 - Audiences and Engagement (Angus 335)
- 23 - Eco Affects (Angus 292)
- 24 - Education (Angus 437)

12:30 – 13:30 • Lunch (CPA Hall / Birmingham)

13:30 – 15:00 • Parallel Sessions E

- 25 - Seeing Water, Climate and Animals (Social Work 124)
- 26 - Communicating Science (Angus 434)
- 27 - Climate and Environmental Justice (Angus 237)
- 28 - Communicating Hydrofracking (Angus 335)
- 29 - Pathways to Empathy (Angus 292)
- 30 - Policymaking (Angus 437)

15:00 – 15:30 • Refreshment Break (CPA Hall / Birmingham)

15:30 – 17:00 • Parallel Sessions F

- 31 - Revolutionaries needed! The potential of Ecoculture Jams in Pedagogy and Practice (Social Work 124)
- 32 - Poisoned Waters (Angus 434)
- 33 - Teaching Climate Hope in an Age of Despair (Angus 237)
- 34 - Articulating the Anthropocene (Angus 335)
- 35 - Advocacy Identities (Angus 292)
- 36 - Risk & Disaster (Angus 437)

17:30 – 18:45 • IECA Board Meeting with Members (Angus 098)

19:00 – 21:00 • Film Screening (Angus 098)

Thursday, 20 June

9:00 – 9:15 • Announcements and Awards (Angus 098)

9:15 – 10:30 • Roundtable Panel: Environmental Communication and National Controversy: The Trans Mountain Pipeline (Angus 098)

10:30 – 11:00 • Refreshment Break (CPA Hall / Birmingham)

11:00 – 12:30 • Parallel Sessions G

- 37 - Indigenous Voices (Angus 434)
- 38 - Climate Change Communication (Angus 237)
- 39 - Aquatic Ecosystem Threats (Angus 335)
- 40 - Covering Environmental Issues (Angus 292)
- 41 - Narrative Approaches (Angus 437)

12:30 – 13:30 • Lunch (CPA Hall / Birmingham)

13:30 – 15:00 • Parallel Sessions H

- 42 - Arts-Based Approaches (Angus 434)
- 43 - Documentary (Angus 237)
- 44 - Communication Collaborations (Angus 335)
- 45 - Mining (Angus 292)
- 46 - Place and Identity (Angus 437)

15:00 – 15:30 • Refreshment Break (CPA Hall / Birmingham)

15:30 – 17:00 • Parallel Sessions I

- 47 - Communicating Environmental Spirituality (Angus 434)
- 48 - Pipeline Politics (Angus 237)
- 49 - Environmental Communication and China (Angus 335)
- 50 - Behaviour Change (Angus 292)

Monday, June 17, 2019

9:00 - 10:00

Registration (CPA Hall / Birmingham)

9:15 - 16:00

Graduate Student Pre-Conference (Angus 296)

Session Chair: Hanna Morris, University of Pennsylvania

9:30 - 12:30

Pre-Conference - Refuge: Creative Lab for Reimagining Disaster Preparedness, Response and Recovery (Angus 292)

Jen Rae, Creative Lead and Director, Fair Share Fare, Australia, Australia

Maree Grenfell, Resilient Melbourne Networks and Learning Manager, City of Melbourne, Australia

13:00 - 16:00

Pre-Conference - A Communication Tactical Plan in less than 3 hrs (Angus 292)

Lawrence Kirk, Australian Centre for the Public Awareness Of Science

Pre-Conference - Vancouver: a "City of Reconciliation" and one of the world's greenest cities – A workshop on what Vancouver can offer a rapidly urbanizing planet

Elin Kelsey, University of Victoria

Jennifer Good, Brock University

14:30 - 17:30

Registration (CPA Hall / Birmingham)

17:30 - 17:45

Welcome (Angus 098)

Welcome to traditional lands by **Debra Sparrow**, Musqueam Nation

Welcome from **Rex Weyler**, co-founder of Greenpeace International

Welcome by **Geo Takach**, Royal Roads University, Chair, COCE 2019 Committee

17:45 - 19:00

Keynote: I'm Right and You're an Idiot: The Toxic State of Public Discourse and How to Clean it Up (Angus 098)

James Hoggan, Hoggan and Associates

19:00 - 20:30

Opening Reception (CPA Hall / Birmingham)

Welcome to COCE 2019. Following the opening keynote, there will be a welcome reception. As part of that, the poster and art portions of the conference will be available to delegates. They will remain up throughout the conference, but this will be a chance to talk to the authors and artists.

There will also be a performance by Sissi Fonseca, "Swimming Freestyle."

Artworks (CPA Hall / Birmingham)

West Coast Resonators

David Murphy, Simon Fraser University
Giorgio Magnanensi, Vancouver New Music
Milena Droumeva, Simon Fraser University

Quick and Tragic Thaw

Gabrielle Russomagno, The School of Visual Arts
Yvonne Love, The Pennsylvania State University

Amazonia Insomnia

Hugo Fortes, University of São Paulo

#modestpainter Witnessing @Second_Millennium

Megan Cullinan, University of Utah

A Fluid Look at Life

Geo Takach, Royal Roads University
Paul Allison, Royal Roads University

Fire and Flood

Neville Cichon, Independent artist

Vanishing Multi-year Sea Ice

Cy Keener, University of Maryland

Atmospheric Chords

Darlene Farris-LaBar, East Stroudberg University

Posters (CPA Hall / Birmingham)

Using QR Code Technology to Build Capacity for Environmental Non-Government Organizations (ENGOs): A Cross-National Comparison

Kenneth C. C. Yang, University of Texas At El Paso
Yowei Kang, National Taiwan Ocean University

Ocean Sciences and Social Media: Building an Audience *

Kaitlin Palubicki, National Oceanic & Atmospheric Administration (NOAA)
Gregory Hammer, NOAA
Katy Matthews, NOAA
Susan Osborne, NOAA
Jennifer Fulford, NOAA
Angela Sallis, NOAA
Heather McCullough, NOAA

Indigenous stories as evidence: Using Tuhiwai-Smith's 25 Indigenous Projects as an analysis framework *

Marcella LaFever, University of the Fraser Valley
Shirley Hardman, University of the Fraser Valley

Local Framing for Global Impact: A Case Study Promoting South Carolina's "Adopt-A-Stream" Program *

Sean Williams, Clemson University
Katie Callahan, Clemson University

Awareness, Wonder, and Engagement (AWE) Framework: Assessing Learning Outcomes in Environmental Communication

Bridie McGreavy, University of Maine
Abby Roche, University of Maine
Laura Rickard, University of Maine
Cassie Page, University of Maine

Environmental Restoration and Catastrophe: Analyzing Frames and Claims in Oyster Restoration News Stories

Hannah Brown, University of Florida
Susan Jacobson, University of Florida
Glenn Israel, University of Florida

Addressing the socio-environmental factors and communication interventions associated with littering behaviour in Abbotsford's parks

Mariano Mapili, University of the Fraser Valley
Darien Francis, University of the Fraser Valley
Christina Owen, University of the Fraser Valley
Gloria Borrows, University of the Fraser Valley
Michelle Riedlinger, University of the Fraser Valley

Understanding nature through photography and the intents of nature photographers

Naoyuki Ohara, Hokkaido University
Yasuhiro Yamanaka, Hokkaido University
Gregory Trencher, Tohoku University

Act on Climate: A tool to help communicators answer the most asked question after climate talks and communications

Robert Motta, University of Colorado
David Lubinski, University of Colorado
Shelly Sommer, University of Colorado

Interweaving Indigenous and settler knowledges to protect Canada's coastal waters

Geo Takach, Royal Roads University
Asma-na-hi Antoine, Royal Roads University

Quality and efficiency of written communication about environmental issues : a systematic review

Isabelle Pare, Université Laval

Education about Marine Debris through Communication Projects in Interdisciplinary Environmental Science Courses

Denise DeLorme, Louisiana State University
Nancy Rabalais, Louisiana State University

Counting caribou, discounting hunters: Spatial marginalization through participatory democracy in western Nunavut

Chui-Ling Tam, University of Calgary
Suzanne Chew, University of Calgary

Bodies of Water: Poetry and the Pedagogy of Internatural Praxis

Emily Plec, Western Oregon University

Topoi of Technological Visuals in Clean Water Activism: The Case of #FlintLivesMatter *

Aimee Roundtree, Texas State University

The Power of Perception: Art, Climate Change, and the History of US Environmental Policy

Melissa Fleming, The Weather Gamut

Environmental communication instruments for municipal governance in Latvia: action-oriented and collaboration approaches

Raimonds Ernsteins, University of Latvia
Erika Lagzdina, University of Latvia

“Nature, uninterrupted”: National Geographic's Use of Animals to sell Vacations

Debra Merskin, University of Oregon

Appreciation, Hope and Action: From Teaching Environmental Communication to Producing an Environmental Radio Program

Richard Doherty, IECA

Playing in the dark: Risk, uncertainty and collaboration on the frontline of imagined (yet, highly likely) disasters

Jen Rae, Fair Share Fare, Australia

Tuesday, June 18, 2019

9:00 - 9:15

Announcements (Angus 098)

9:15 - 10:30

Keynote: The Future of Environmental Communication in an Era of Digital Disruption

(Angus 098)

Karen Bakker, University of British Columbia

10:30 - 11:00

Refreshment Break (CPA Hall / Birmingham)

Featured Artists:

Geo Takach, Paul Allison, Royal Roads University - *A Fluid Look at Life*

Gabrielle Russomagno, The School of Visual Arts; Yvonne Love, The Pennsylvania State University - *Quick and Tragic Thaw*

11:00 - 12:30

1 - When Ice Becomes Water: Environmental Communication Within and Outside a Rapidly Changing Arctic (Angus 295)

Session Chair: Kristin Timm, George Mason University

Rising Seas and What it Means For Me: Sea Level Rise in Washington State

Heidi Roop, University of Washington

Phase Changes: Learning and talking about water in times of change

Richard Hum, University of Alaska Fairbanks

Representations of Psychological Distance in Alaska Climate Change Media Coverage

Kristin Timm, George Mason University

Sharing Break-Up: How Interior Alaskans assess risks in changing spring thaw conditions (locally called break-up)

Karen Taylor, University of Alaska Fairbanks

Similijuaq - communicating hope in the midst of a slow-motion meltdown

Clive Tesar, Clive Tesar Consulting

2 - Citizen Science (Angus 434)

Session Chair: Mark Neuzil, University of St. Thomas

Mapping water, and the interface of science & society

Jenny Rock, Sally Carson, Lucy Coyle, University of Otago

Biodiversity Mapping as Participatory Science Communication

Per Hetland, Emily C Oswald, University of Oslo

Hopeful Communication about Citizen Science in Water Ecology: A Rhetorical Critique of "Citizenship" Language and Values

Philippa Spoel, Laurentian University

Adventure-based citizen-science as a practice of care

Kaylie Reese, Abby Roche, University of Maine

3 - Mediating Technologies (Angus 237)

Session Chair: Brian Cozen, California State University, Fresno

Depoliticisation of Seawater Desalination in Israeli Daily Newspapers, a Longitudinal Analysis *

Shai Kassirer, University of Brighton

Framing datacentres: how news media cover the infrastructure of digital communication

Mikkel Eskjær, Aalborg University Copenhagen

Media Framing of Deep Geothermal Energy: The Case of the UK

Nicola Langdon, Alison Anderson, University of Plymouth

Genetic Engineering and the Future of Food: The AquAdvantage Salmon™ and the Pursuit of “Sustainable Aquaculture”

Margaret Siebert, University of New Mexico

Do Batteries Equal Climate Change? A Test for the Politicization of Energy Storage in the Media

Matthew Shapiro, Illinois Institute of Technology

4 - Water Governance & Collaboration (Angus 335)

Session Chair: Nancy van Leuven, California State University Fresno

Water for the “Public” Good: Contested Meanings of Stakeholder Interests in Water Diversion Controversies *

Theresa Castor, University of Wisconsin-Parkside

Transforming Communication for Puget Sound Recovery *

Cathy Cochrane, Puget Sound Partnership

Damming the dam sixty years on: continued conflict over the Manapouri hydro-electric power scheme, New Zealand.

Anna Palliser, Debra Ellis, Southern Institute of Technology

Towards watershed governance in British Columbia: Insights from opinion research and local campaigns

Laura Brandes, POLIS Water Sustainability Project, Centre for Global Studies, University of Victoria

5 - Gender & Sexuality in EC (Angus 292)

Session Chair: Jen Schneider, Boise State University

Theorizing Ecomasculinities in Environmental Communication

Ross Singer, Saginaw Valley State University

Water, Mutants, and Ecology: Waterworld as a Guide to Rising Seas

Laura Mattson, University of South Florida; Jeremy Gordon, Gonzaga University

Women, Climate, and Sea Level Rise: An Ecofeminist Approach to Move Above the Surface of Soft Law Stagnation

Emma Annabelle Welden, University of Oxford

Queer Generation: Temporality and the Confluence of Sexuality and Environment

E Cram, University of Iowa

6 - Waters of Africa (Angus 437)

Session Chair: Richard Buttny, Syracuse University

Day Zero: Discourse of the Cape Town Water Crisis

Catherine Bruns, James Madison University

Playing around with 'Day Zero': Public meaning making processes of Drought, Water Scarcity and Sustainable Water Supply

Franziska Weder, Denise Voci, University of Klagenfurt; Stella Lemke-Donaldson, University of Lübeck

O Madiba na o Mokondo (On Water and on Land): A Molimi Cultural Discourse of Place and Water

Blessed Ngoe, Eric Morgan, New Mexico State University

12:30 - 13:30

Lunch (CPA Hall / Birmingham)

13:30 - 15:00

7 - Waterlines, Melody Lines, and the Environmental Imagination: Mobilizing Community through Music - part 1 (Angus 295)

Session Chair: Rebecca Dirksen, Indiana University

Haiti's Earth Songs: Pairing Sacred Ecology and Field-to-Media Methodology for a Musical Take on Environmental Activism

Rebecca Dirksen, Indiana University

Past Memories of Future Rivers

Yan Pang, University of Minnesota

Ecocinema Praxis: A Case Study of Sundarbans

Elja Roy, University of Minnesota

"By that Wild Columbia River": An Ethnomusicological Perspective on Vanport, Oregon and the Politics of River Management

Kelly Bosworth, Indiana University

Ecosong.Net: Music and Media Production to Mobilize Communities around Water

Mark Pedelty, University of Minnesota; Natalie Warren, University of Minnesota

8 - Public Understanding & Engagement (Angus 434)

Session Chair: Franziska Weder, University of Klagenfurt

Something's Changing! Are external sources the key to bridge personal experiences with climate change?

Linda Pfeiffer, Olamide Bisi-Amosun, Purdue University

Listening to ocean user perspectives on shark management: Respect for marine life, hope for technology, and anger at the media

Peter Simmons, Michael Mehmet, Sarah Redshaw, Kane Callaghan, Charles Sturt University

Genetically modified sustainability: Investigating the role of consensus messaging on public engagement with the environmental benefits of GM technology

Brianne Suldovsky, Portland State University; Heather Akin, University of Missouri

The Politicization of Atmospheric Science: A Meta-Analysis of Northeast Asian Transboundary Air Pollution Research

Matthew Shapiro, Illinois Institute of Technology

9 - Climate News (Angus 237)

Session Chair: Bruno Takahashi, Michigan State University

Has Trump's Presidency Changed Climate Change Discourses?: A Text Mining Analysis of Newspaper Media Contents around the World

Kenneth C. C. Yang, University Of Texas At El Paso; Yowei Kang, National Taiwan Ocean University

The Editorial Elite: Examining Ideologies Perpetuated in U.S. Prestige Press Climate Change Editorials

Christopher Garcia, Florida State University

The Good, the Bad and the Ugly:

Patterns of Controversy and Consensus in German, Canadian, and US Climate Change News

Robin Tschötschel, Andreas Schuck, Anke Wonneberger, University of Amsterdam

A lost decade? Media coverage of climate change since COP15

Mikkel Eskjær, Aalborg University Copenhagen

10 - Dams (Angus 335)

Session Chair: Tadesse Amara Sahilu, Pesticide Action Nexus Association

Culture-Jam or Log-Jam?: Rhetorics of Spectacle Protest in the Free the Snake Flotilla

Casey Schmitt, Gonzaga University

Newspaper representation of "dams" in the new millennium : A longitudinal analysis of dam coverage in British national newspapers

Jingrong Tong, Brunel University London; Zuo Landong, Independent Researcher

Energy that's as clean as water: tracking mediatized discourse on hydroelectric dam building and climate change in Chile.

Gabi Mocatta, University of Tasmania

Don't Be #DamStupid: Ecological Education on Keystone Species

Tim Jensen, Oregon State University; Kate Comer, Portland State University

11 - Talking Nature (Angus 292)

Session Chair: Tema Milstein, University of New South Wales

If the ocean was a person, what would they be like: Gauging perceptions of the ocean through personification

Jenny Rock, Ellen Sima, Manon Knapen, University of Otago

An Ecology of Communication: Response and Responsibility in an Age of Ecocrisis

William Homestead, New England College

Tracing a Discursive Term: An Ecological Explication of the More-than-Human Construct

Melissa Parks, The University of Utah

To share or not to share: Spiritual experiences of nature, cognitive dissonance, and hypocognition

Jennifer Good, Brock University

12 - Nuclear Energy and Risky Waters (Angus 437)

Session Chair: Etsuko Kinefuchi, University of North Carolina at Greensboro

Radioactive Water: the Supersized Communication of Nuclear Power in British Documentary 1947 to 2016

Helen Hughes, University of Surrey

Fukushima, Nuclear Power, and Logic of Progress

Etsuko Kinefuchi, University of North Carolina at Greensboro

Emotion and risk communication

Midori Aoyagi, National Institute for Environmental Studies

Toxic Temporalities: Prediction, Purification, and the Perseverance of Nuclear Waste

William J. Kinsella, North Carolina State University

15:00 - 15:30

Refreshment Break (CPA Hall / Birmingham)

Featured Artists:

David Murphy and Milena Droumeva, Simon Fraser University; Giorgio Magnanensi, Vancouver New Music
- *West Coast Resonators*

Megan Cullinan, University of Utah - *#modestpainter Witnessing @Second_Millennium*

15:30 - 17:00

13 - Waterlines, Melody Lines, and the Environmental Imagination: Mobilizing Community through Music - part 2 (Angus 295)

Session Chair: James Spartz, Unity College

Soundscape Listening

Hildegard Westerkamp, Freelance Composer

Environmental Dialogues Through Music

Diane Moser, New School

Two Yosemite: An Environmental Opera

Justin Ralls, Opera Theater Oregon, University of Oregon

Songwriting as Environmental Communication

James Spartz, Unity College

Above and below: The water segment of a music composition on the Windsor Hum

Brian Garbet, University of Calgary

14 - Effects of Social Media Polarisation on Public Opinion, Knowledge and Engagement with Environmental Issues (Angus 434)

Session Chair: Soenke Lorenzen, Greenpeace International

Roundtable Discussion with Soenke Lorenzen, Greenpeace International; Matthew Nisbet, Northeastern University; Justin Rolfe-Redding, Skoll Global Threats Fund; Jill Hopke, DePaul University; Alison Anderson, Plymouth University; Jeff Harrison, Greenpeace International

15 - Climate News & Audiences (Angus 237)

Session Chair: Midori Aoyagi, National Institute for Environmental Studies

Climate change and its discourse at HuffPost Brazil: emphasis on make feel or in the make think?

Aline Horn, Université Lumière Lyon 2; Myrian Del Vecchio-Lima, Universidade Federal do Paraná

Did the Paris climate conference change public opinion? Tracing climate change audience segments in the Netherlands

Anke Wonneberger, Marijn Meijers, Andreas Schuck, University of Amsterdam

Partisan spillover of polarized rhetoric onto perceptions and beliefs about global warming

Adina Abeles, Stanford University

Discussing Climate Change - The impact of discussion quality in climate change news coverage on citizen engagement

Andreas Schuck, University of Amsterdam

16 - Engaging Stakeholders on Water (Angus 335)

Session Chair: Jingrong Tong, Brunel University London

A Formative Assessment of Texas Water Districts' Public Communication Practices*

Matthew VanDyke, The University of Alabama; Andy King, Iowa State University

Communicating for Sustainable Groundwater Management: Lessons from India in Making the invisible resource visible and Giving ownership to villagers *

Basant Maheshwari, Western Sydney University; John Ward, Mekong Region Futures Institute; Nadarajah Sriskandarajah, Swedish University of Agricultural Sciences; Roger Packham, Western Sydney University

How can participatory and communication support decisions towards wastewater reuse projects? A methodological proposal

Benjamin Noury, Société du Canal de Provence; Celine Pascual Espuny, Aix Marseille University; Nils Ferrand, National Research Institute of Science and Technology for Environment and Agriculture

Communication Challenges and the Use of Climate Tools by Coastal Stakeholders

Renee Edwards, Andrea Miller, Barry Keim, Alex Haberlie, Marisa Karpinski, Tryfon Boukouvidis, Louisiana State University

17 - Eco-Culture (Angus 292)

Session Chair: Samantha Senda-Cook, Creighton University

Kinship-in-Place: Communicating Mutualism and Dualism in Omani Ecocultural Relations *

Maryam Alhinai, Sultan Qaboos University; Tema Milstein, University of New South Wales

Rivers Run Through It: An Actor-Network Theory Approach to the Textual Analysis of a Forest Plan *

Evelyn Dsouza, Donald Ross, University of Minnesota, Twin Cities

Political Identity as Ecocultural Survival Strategy

John Carr, Tema Milstein, University of New South Wales

Ecocultural Adjustment: A Peace Corps Sojourn

Melissa Parks, University of Utah

Border Gnosis: Decoloniality, Local Knowledge, and Environmental Organizing

Carlos Tarin, The University of Texas at El Paso

18 - Saving Animals (Angus 437)

Session Chair: Clive Tesar, Clive Tesar Consulting

ENGO framing of Vietnam's responsibility in the illegal rhino horn trade *

Michael Smith, Griffith University

The wolves of fate: Media coverage of the 2018 Isle Royale 'genetic rescue'

Eric Freedman, Michigan State University; Mark Neuzil, University of St. Thomas; Alexander Killion, Boise State University

Discourse cycles of sea turtle tourism and conservation at Laniākea Beach, Hawai'i

Gavin Lamb, University of Hawai'i at Manoa

Activist insights for allied campaigns around shared values and issues for human, animal, and eco protection

Carrie Freeman, Georgia State University

18:30 - 22:30

Conference Dinner (Alumni Centre, Jack Poole Hall)

Session Chair: Richard Doherty, IECA

Featuring live music from The Wilds, plus an open mic for COCE musicians.

Wednesday, June 19, 2019

9:00 - 9:15

Announcements (Angus 098)

9:15 - 10:30

Keynote: Confluence or Cash? When the Transnational Meets the Local in Conflicts over Water (Angus 098)

Libby Lester, University of Tasmania

10:30 - 11:00

Refreshment Break (CPA Hall / Birmingham)

Featured Artists:

Neville Cichon, Independent artist - *Fire and Flood*

Cy Keener, University of Maryland - *Vanishing Multi-year Sea Ice*

11:00 - 12:30

19 - Farm Waters (Social Work 124)

Session Chair: Mark Pedelty, University of Minnesota

Talking Across the Waterline: A Study of Cross-Sector Communication and the Challenge of Resolving Agricultural Conflicts around Water

Mark Pedelty, Elja Roy, University of Minnesota

Algae Blooms in Ohio Waters: Newspaper Coverage of a Persistent Environmental Problem

Sheryl Cunningham, Wittenberg University

Agrarianism in Young Sustainable Farmer Rhetoric: An analysis of the Agrarian Myth as a Rhetorical Tool in the Movement Towards Sustainable Agriculture.

Grace Geier Olive, University of Minnesota Twin Cities

From Cover Crop Champions to Politician Farmers: Investigating Influencers in Iowa's Water Crisis

Joanna Krajewski, Flagler College; Kajsa Dalrymple, University of Iowa

Locating Water in Food Systems Communication Research

Constance Gordon, San Francisco State University; Kathleen Hunt, Iowa State University

20 - The land and the people: Far-right environmental communication in Europe and the United States (Angus 434)

Session Chair: Bernhard Forchtner, University of Leicester

Scams, hoaxes, and liberal fraud as climate change denier commonplaces: Conspiracy topoi and far-right ideologies in the digital rhetoric of Watts Up With That

Denise Tillery, Emma Frances Bloomfield, University of Nevada, Las Vegas

Far-right environmental communication in Germany: investigating articulations of 'biodiversity' and 'climate change'

Bernhard Forchtner, University of Leicester

Settler Entitlement to Native Land, from the 'Alt Right' in Charlottesville to the 'Patriots' at Malheur National Wildlife Refuge

Kyle Boggs, Boise State University

"The New World Order behind the green mask": White nationalism, anti-semitism, and the Agenda 21 climate change conspiracy theory

Lauren Cagle, University of Kentucky

21 - News Coverage of Climate Extremes (Angus 237)

Session Chair: Myrian Del Vecchio-Lima, Universidade Federal do Paraná

Connecting Extreme Weather Events to Climate Change: A Study of Climate Attribution in Media Coverage of Heat Waves and Wildfires

Jill Hopke, DePaul University

Constructing Florence's flooding: News analysis of mediated risk, resilience and recovery

Juliet Pinto, Jessica Myrick, Lola Xie, Pennsylvania State University

Understanding the climatization of drought: a cross-sectoral frame analysis over time.

Wibke Müller, Sylvia Kruse, Albert-Ludwigs-University of Freiburg

22 - Audiences and Engagement (Angus 335)

Session Chair: Hollie Smith, University of Oregon

The Impact of Solution-Focused and Information-Focused Messages on Individuals' Water Scarcity Information Processing*

Matthew VanDyke, The University of Alabama

Your Money or Your (Wild) Life? Media Use & Support for Environmental Regulation in the Context of the Economy

Kristin Runge, University of Wisconsin-Madison; James Spartz, Unity College

The Sustainable Development Goals as Discursive Frame: Potential for Glocal Change

Rosalind Warner, Okanagan College

How Bipartisan Support for the Green New Deal Disappeared in Four Months

Abel Gustafson, Seth A. Rosenthal, Parrish Bergquist, Matthew T. Ballew, Matthew H. Goldberg, Yale University; John E. Kotcher, George Mason University; Anthony Leiserowitz, Yale University; Edward W. Maibach, George Mason University

23 - Eco Affects (Angus 292)

Session Chair: Chui-Ling Tam, University of Calgary

Anger as a Means for Elaboration: An Analysis of Local Government Carbon Neutral Pledges

Meaghan McKasy, University of Utah

Toward an Understanding of Positive Emotions in Everyday Sustainability

Geoffrey Craig, Auckland University of Technology

Exploring the role of hope in the "numbed" risk context

Wan Wang, The University of Texas at Austin; Wenrui Ou, Zhengzhou University of Aeronautics; Chi Zhang, Zhengzhou University

Wild Mourning: Rhetoric and Affect in Ecological Loss

Tim Jensen, Oregon State University

24 - Education (Angus 437)

Session Chair: Bridie McGreavy, University of Maine

Climate Justice Education: Between Social Movement Learning and Schooling *

Callum McGregor, Beth Christie, University of Edinburgh; Mary Collacott, Juniper Leaf

Environmental communication education abroad: How to develop a successful program

Bruno Takahashi, Michigan State University

Advancing Equity in STEM through Mentoring and Rhetorical Training for Environmental Scientists

Kenneth Walker, Amelia King-Kostelac, Janis Bush, Amaury Nora, Gwen Young, Jeffrey Hutchinson, Sue Hum, University of Texas San Antonio

12:30 - 13:30

Lunch (CPA Hall / Birmingham)

13:30 - 15:00

25 - Seeing Water, Climate and Animals (Social Work 124)

Session Chair: Eric Morgan, New Mexico State University

Climate change totems and discursive ownership of the Arctic

Chui-Ling Tam, University of Calgary

Florida Red Tide In The News: Animals As Illness

Kayleigh Murdock, Andrew Opel, Florida State University

Evolving Photojournalistic Framing of Water: From Defeat to Challenge

Joanna Nurmis, University of Maryland

Communicating the State of the Sound

Alex Mitchell, Cathy Cochrane, Scott Redman, Nathalie Hamel, Leska Fore, Elene Trujillo, Puget Sound Partnership

26 - Communicating Science (Angus 434)

Session Chair: Clive Tesar, Clive Tesar Consulting

Taking a more strategic approach to your communication activities

Lawrence Kirk, The Australian National University

Information-Needs of Water Managers in South-Central U.S.

Renee Edwards, Louisiana State University; Jung-Hee Ryu, Katherine Hayhoe, Texas Tech University; Barry Keim, Louisiana State University

The "Water You Talking About" Model: Engaging High School Students in STEM and Science Communication

Joanna Krajewski, Flagler College; Sabrina Grossman, Emily Wright, Diley Hernandez, Georgia Institute of Technology

Why scientists should be partnering with programs like Upward Bound for outreach goals and how to do it effectively

Sarah Olsen, University of Idaho

27 - Climate and Environmental Justice (Angus 237)

Session Chair: Xinghua Li, Babson College

La Chispa: Sparking Environmental Justice Connections at Willamette University and Beyond

Catalina de Onis, Willamette University

"Where are we United? We struggle in Bhopal... and they in America": Mobility and Race as Barriers in Building a Transnational Environmental Justice Movement

Reena Shadaan, York University; Renu Pariyadath, University of South Carolina Upstate

Communication and alternative justice in water conflicts in Latin America. The case of the Tribunal Latinoamericano del Agua.

Susana Herrera-Lima, Instituto Tecnológico y de Estudios Superiores de Occidente

28 - Communicating Hydrofracking (Angus 335)

Session Chair: Alison Anderson, Plymouth University

Debating Hydrofracking: The Discursive Construction of Risk

Richard Buttny, Syracuse University

Communicating Environmental Justice: A Case Study of Water and Fracking

Barbara George, Kent State University

On the front lines of university science communication: Explaining shale extraction and development to stakeholders

Jeff Conlin, Penn State University

Attracting unlikely allies: Discursive reframing of climate change by the Australian anti-fracking movement

Garrity Hill, Swinburne University of Technology

29 - Pathways to Empathy (Angus 292)

Session Chair: Peter Simmons, Charles Sturt University

Eco-Friendly Influences from a Virtual World

Melissa Moore, Janet Yang, University at Buffalo

Using Augmented, Mixed, and Virtual Reality in Environmental Communication Campaigns: A Survey of Conservation Campaigns and Practitioners

Kenneth C.C. Yang, The University of Texas At El Paso; Yowei Kang, National Taiwan Ocean University

Clarifying the Empathy-Altruism Hypothesis: How Media-Generated Empathy Amplifies Support for Farmers During the Drought

Dara Wald, Iowa State University; Elizabeth A. Segal, Erik W. Johnston, Ned Wellman, Arizona State University

'For the animal shall not be measured by man': Ethics and the animal Other

Peggy Bowers, Independent Scholar

30 - Policymaking (Angus 437)

Session Chair: Barbara Willard, DePaul University

Simulated Water Evidence: Translating Simulation of Environmental Science for Policy and the Public *

Aimee Roundtree, Texas State University

Freshwater aquaculture: Predictors of policy support and implications for environmental communicators

Laura Witzling, Iowa State University; Bret Shaw, Shiyu Yang, University of Wisconsin-Madison; Kristin Runge, University of Wisconsin-Extension; Chris Hartleb, University of Wisconsin-Stevens Point; Deidre Peroff, University of Wisconsin-Sea Grant

Bridging Science to Policy through practice: PAN-Ethiopia's Lead Paint Elimination work in Ethiopia

Tadesse Amara Sahilu, Pesticide Action Nexus Association (PAN-Ethiopia)

15:00 - 15:30

Refreshment Break (CPA Hall / Birmingham)

15:30 - 17:00

31 - Revolutionaries needed! The potential of Ecoculture Jams in Pedagogy and Practice

(Social Work 124)

Session Chair: Richard Doherty, IECA

Roundtable Discussion with Franzisca Weder, University of Klagenfurt; Tema Milstein, University of New South Wales; Samantha Senda-Cook, Creighton University; John Carr, University of New South Wales

32 - Poisoned Waters (Angus 434)

Session Chair: Ann D. Jabro, Robert Morris University

Beer Tents, Speedboats, and River Sediment: Rhetorical Performances and Distributed Agency in the Lake Depue Superfund Site *

Tom Bowers, Northern Kentucky University

Framing Efficacy Upstream and Downstream: Examining Efficacy Media Frames in Relation to Distributed Water Pollution Risks

Mary Beth Deline, Illinois State University; Kajsa Dalrymple, University of Iowa

Relocating Cook Hollow Creek: Proactive decision-making enhances organization-public relationships

Ann D. Jabro, Robert Morris University; Randall Andrews, Albemarle Corporation - Tyrone

33 - Teaching Climate Hope in an Age of Despair (Angus 237)

Session Chair: Jill Hopke, DePaul University, and Todd Newman, University of Wisconsin-Madison

Roundtable Panel on Best Practices for Teaching Climate Change Communication with Jill Hopke, DePaul University, Co-Chair; Todd Newman, University of Wisconsin-Madison, Co-Chair; Steve Depoe, University of Cincinnati *; Barbara Willard, DePaul University

34 - Articulating the Anthropocene (Angus 335)

Session Chair: Jen Rae, Fair Share Fare, Australia

Refracted Light: Visual Interventions in Gallery Spaces of the Anthropocene

Hanna Morris, University of Pennsylvania

Finding Hope in the End: An Ecocritical Analysis of the Voluntary Human Extinction Movement

Angie McAdam, Georgia State University

Articulating Geoengineering: Identifying an Understanding of Geoengineering Technology through the Crutzen +10 Special Issue Forum

Megan Cullinan, University of Utah

Integrating the Anthropocene into Environment Communication: The Case of Edward Burtynsky's Anthropocene Project

Chris Russill, Carleton University

"Human-Dominated Age" Messaging in a time of Ecological Change

Patrice Kohl, University of Central Florida

35 - Advocacy Identities (Angus 292)

Session Chair: Emily Plec, Western Oregon University

Communicating “Transition Discourses”: Lessons from the Global South

Patrick Murphy, Temple University

The American Dream, Resilience, and Environmental Justice Advocacy: Lessons from Mona Hanna-Attisha’s What the Eyes Don’t See and the Flint Water Crisis

Ross Singer, Saginaw Valley State University

“We’re still a part of the outdoor world”: U.S. hunters and the epistemic basis of environmental knowledge

Jessica Love-Nichols, University of California, Santa Barbara

Nature’s (Human) Diversity Problem

Pete Bsumek, James Madison University; Jennifer Peebles, Utah State University; Jen Schneider, Boise State University; Steve Schwarze, University of Montana

36 - Risk & Disaster (Angus 437)

Session Chair: Danielle Endres, University of Utah

Risk Selfies and Environmental Risk Literacy *

Ehren Pflugfelder, Oregon State University

Identifying Criteria for Designing Risk Communication System in Palu, Sulawesi, Indonesia: A Multi-Criteria Decision Analysis Approach *

Juhri Selamet, University of Colorado Boulder

Information seeking and sharing in the aftermath of Hurricane Harvey

Janet Yang, University at Buffalo

Tracing Rhetorical Tectonics in the 2011 Tōhoku Earthquake

Hannah Smay, The University of Utah

17:30 - 18:45

IECA Board Meeting with Members (Angus 098)

Session Chair: Samantha Senda-Cook, Creighton University

Join the IECA Board of Directors and Executive Director for discussion and Q&A about your association.

19:00 - 21:00

Film Screening (Angus 098)

Thursday, June 20, 2019

9:00 - 9:15

Announcements and Awards (Angus 098)

9:15 - 10:30

Roundtable Panel: Environmental Communication and National Controversy: The Trans Mountain Pipeline (Angus 098)

Session Chair: Geo Takach, Royal Roads University

Kai Nagata, Dogwood BC

Kamala Todd, Indigenous City Media

Kent Verge, Verge Consulting

10:30 - 11:00

Refreshment Break (CPA Hall / Birmingham)

Featured Artists:

Hugo Fortes, University of São Paulo - *Amazonia Insomnia*

Darlene Farris-LaBar, East Stroudberg University - *Atmospheric Chords*

11:00 - 12:30

37 - Indigenous Voices (Angus 434)

Session Chair: Nancy van Leuven, California State University Fresno

Parched soils, and crops washed away: Indigenous peoples' experiences of water and climate change in eastern India *

Maitreyee Mishra, Manipal Academy of Higher Education (Manipal University) and Heidelberg University

Māori Ways of Speaking: Code-Switching in Parliamentary Discourse, Māori and River Identity, and the Power of Kaitiakitanga for Conservation *

Joanne Marras Tate, University of Colorado Boulder

Who sets the environmental agenda in Indian Country? Mapping information flows and identifying missed opportunities for sovereignty in storytelling

Ryan Comfort, Indiana University

Framing Indigenous Voices in Environmental Debates: The Case of Liquefied Natural Gas Development in British Columbia, Canada

Sibo Chen, Simon Fraser University

Enacting Energy Democracy: Indigenous Native American Struggles for Decolonizing Energy Decision Making

Danielle Endres, University of Utah

38 - Climate Change Communication (Angus 237)

Session Chair: Geoffrey Craig, Auckland University of Technology

The Climate Gaze *

Lyn McGaurr, University of Tasmania
Libby Lester, University of Tasmania

Communicating climate change induced migration: the role of NGOs

Maria Sakellari, University of Brighton

Killing goats to appease the climate gods: Negative framing of climate science in the language of religious faith

Myra Gurney, Western Sydney University

Communicating Climate Change to Alberta's Youth: Lessons Learned from the AB Narratives Project

Roberta Laurie, Katrina Atkinson, Jacqueline Ohm, Michaela Bishop, Emily Vilcsak, MacEwan University

39 - Aquatic Ecosystem Threats (Angus 335)

Session Chair: Nadarajah Sriskandarajah, Swedish University of Agricultural Sciences

Communicating invasivorism - Eating invasive species in Japan *

Gabriele Hadl, Naohiro Okada, Shion Sakamoto, Shingo Kiyohara, Nao Taguchi, Kyoko Fujino, KShoma Kitagawa, Masanobu Shizuma, Kwansai Gakuin University

Non-native Aquatic Species, Spectacle, and the Proximization of Threat

Justin Mando, Millersville University

Re-mediating the Salish Sea: social media strategies to end open net pen salmon farming

Shirley Roburn, York University

Water is Life: Illuminating Slow Violence through Coalitional Movements & Narratives

Nicole Metildi, Oregon State University

40 - Covering Environmental Issues (Angus 292)

Session Chair: Juliet Pinto, Pennsylvania State University

Animal agriculture and climate change in the media *

Silje Kristiansen, State University of New York, ESF; James Painter, Oxford University

Not a Priority: Barriers to Environmental Reporting in the Republic of Georgia

Eric Freedman, Michigan State University

Mass Media Create "Antipollution Miracle" in Japan

Kentaro Nagai, Waseda University

'Of droughts and flooding rains': Experience, expertise and the Australian climate

Deb Anderson, Monash University

41 - Narrative Approaches (Angus 437)

Session Chair: Jen Rae, Fair Share Fare, Australia

Stories for Stimulating Ambition in Climate Change Policy *

Geraldine Satre Buisson, Imperial College London

Linking Narrative Communication to Learning Impacts: Analogy, Characters, and Audience *

Alison Singer, Michigan State University

(Re)storying Water. Understanding individual's perception of sustainable resource use with a focus on water

Amornpan Tungarat, University of Klagenfurt; Stella Lemke-Donaldson, University of Lübeck; Franzisca Weder, University of Klagenfurt

The Quantified Analogy: Vicarious Narrative in Message Design

Kevin Ells, Jialing Huang, Texas A&M University - Texarkana

12:30 - 13:30

Lunch (CPA Hall / Birmingham)

13:30 - 15:00

42 - Arts-Based Approaches (Angus 434)

Session Chair: Jennifer Peeples, Utah State University

Towards 'environmental reconciliation': Environmental protection and Indigenous reconciliation through arts-based research

Geo Takach, Royal Roads University; Kyera Cook, Independent Researcher; Asma-na-hi Antoine, Royal Roads University

From Amazon to Ganges: Visual Arts for Communication of Water-related Issues

Hugo Fortes, University of São Paulo

Climate in the Club: Imagining future oceans through eco grime

Morgan Sleeper, Macalester College; Jessica Love-Nichols, University of California, Santa Barbara

Home is a fire: soundscapes of the Hudson River in the age of Donald Trump

Joshua Groffman, University of Pittsburgh at Bradford

43 - Documentary (Angus 237)

Session Chair: Helen Hughes, University of Surrey

The gin-clear waters of the Florida Keys: Regarding underwater life in amateur first-person documentary *

Deborah James, Governors State University

'Junk and Drivel': Exploring Public and media reaction to the 1977 banned CBC docudrama 'Tar Sands'

Patrick McCurdy, Kayla Abounehme, University of Ottawa

Tidal Tidings: Rhetorical Constructions of Water in the Sinking Cities Documentary Series

William J. Kinsella, North Carolina State University

44- Communication Collaborations (Angus 335)

Session Chair: Carrie Freeman, Georgia State University

Science in Indigenous Territory: Addressing Power and Justice in Sustainability Science from/with/in the Penobscot River

Bridie McGreavy, Darren Ranco, Tyler Quiring, University of Maine; Jan Paul, Angie Reed, Penobscot Nation; Nolan Altvater, Brawley Benson, John Daigle, Suzanne Greenlaw, David Hart, University of Maine

The Convergence of Environmental Science and Communication from Interdisciplinary Research on Sea Level Rise

Denise DeLorme, Scott Hagen, Louisiana State University

Building Bridges to Breach Dams: Wildlife Advocacy and Community Rhetoric in the Pacific Northwest

Kate Comer, Portland State University

45 - Mining (Angus 292)

Session Chair: Jennifer Good, Brock University

Ripples in the BWCAW: An analysis of the Boundary Waters-PolyMet Inc. dispute through the three-tiered lens of the Narrative Policy Framework.

Maureen Wieland, Purdue University

Public environmental litigation against the Adani mine: legal discourse in news

Cynthia Nixon, University of Tasmania

Collapse, crisis and constitutive media: Regional and national coverage of the Samarco dam collapse

Paola Prado, Roger Williams University; Juliet Pinto, Pennsylvania State University

46 - Place and Identity (Angus 437)

Session Chair: Nadarajah Sriskandarajah, Swedish University of Agricultural Sciences

Discourses around the river: From cesspool to green ribbon *

Hermine Penz, University of Graz

Notes from the Field: Situate Climate Change within the Context of Local Realities

Jeremy John Escobar Torio, Chui-Ling Tam, University of Calgary

How to communicate the importance of wetlands? Controversial meanings and narratives about Estonian mires in the context of restoration discussion.

Lona Päll, University of Tartu; Piret Pungas-Kohv, Estonian Fund for Nature

Nature from the ground up: Developing nature affinity through manufactured landscapes

Barbara Willard, DePaul University

15:00 - 15:30

Refreshment Break (CPA Hall / Birmingham)

15:30 - 17:00

47 - Communicating Environmental Spirituality (Angus 434)

Session Chair: Jennifer Good, Brock University

Roundtable Discussion with Maryam Al Hinai, Sultan Qaboos University *; Emma Frances Bloomfield, University of Nevada, Las Vegas; Jennifer Good, Brock University; Elin Kelsey, Stanford University; Etsuko Kinefuchi, University of North Carolina at Greensboro; Richard Kool, Royal Roads University; Samantha Senda-Cook, Creighton University; Chui-Ling Tam, University of Calgary

48 - Pipeline Politics (Angus 237)

Session Chair: Chris Russill, Carleton University

Pipeline Pushers and Community Pushback: What the TransMountain Controversy Reveals about Local Dimensions of Carbon Capital's Political Power

Derrick O'Keefe, Robert Hackett, Shane Gunster, Simon Fraser University

'The Beast: Making a Living on a Dying Planet' - Reflections on making a graphic novel about the mediated oil/tar sands debate in Canada

Patrick McCurdy, University of Ottawa

Challenging extractivism: Another Canada is possible?

Shane Gunster, Robert Neubauer, Darren Fleet, Simon Fraser University; Matthew Paterson, University of Manchester

Prayer and Protest: ontologies of resistance on Burnaby Mountain

Darren Fleet, Simon Fraser University

Mni Wiconi (Water Is Life), but social media may be a lifeline: Water Protectors and the Enbridge Line 3 Pipeline

David Tschida, University of Wisconsin-Eau Claire

49 - Environmental Communication and China (Angus 335)

Session Chair: Phaedra C. Pezzullo, University of Colorado

On Crisis, Care, and Futurity: Green Communication and China

Phaedra C. Pezzullo, University of Colorado, Boulder

Examining Failed Protests on Wild Public Networks: The Case of Dalian's Anti-PX Protests

Elizabeth Brunner, Idaho State University

Imagining China's Great Outdoors: Changing Relationships between Body and Environment

Xinghua Li, Babson College

50 - Behaviour Change (Angus 292)

Session Chair: Laura Rickard, University of Maine

The Effects of Different Product Types in Sustainable PSAs *

Patrick Jamar, Jacob Copple, The University of Texas at Austin

Consumption-critical media practices: Acting on media for sustainability

Sigrid Kannengießer, University of Bremen

Wastewater reuse projects' exposure: from non-communication to participatory communication

Benjamin Noury, Jacques Beraud, Société du Canal de Provence; Celine Pascual Espuny, Aix Marseille University; Nils Ferrand, National Research Institute of Science and Technology for Environment and Agriculture

The effects of personal, collective, and governmental efficacy beliefs on pro-environmental behavior

Marijn Meijers, Anke Wonneberger, Rachid Azrout, University of Amsterdam