

# CASES PARTNERSHIP

COMMUNITY APPROPRIATE SUSTAINABLE ENERGY SECURITY



Please join us for the:

## CASES Virtual Academic Conference

**May 5th & 6th, 2021**

Hosted by: University of Alaska Anchorage, University of Alaska Fairbanks, University of Saskatchewan and the UArctic Thematic Network on Renewable Energy

The CASES Partnership is a consortium of researchers, communities, private sector, and government and nongovernment entities from across northern Canada, Alaska, Sweden, and Norway.

The overall goal of the Partnership is to co-create and broker the knowledge, understanding, and capacity to design, implement and manage renewable energy systems that support and enhance social and economic values for northern communities.

This virtual conference aims at bringing together students, researchers and industry partners from Canada, Alaska, Norway and Sweden to discuss issues of common interest. The virtual conference will be organized by the University of Saskatchewan and held over two days on May 5th and 6th, 2021. There will be 6 sessions based on different themes related to renewable energy. Presentations will be 12-15 minutes in length.

The conference will be hosted on WebEx. Each presentation will be recorded and provided on the CASES website at a later date.

Please see the agenda below and mark your calendars!



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**May 5th, 2021**

## **9am - 9:15am CST - Welcome and Introductions**

9:15am - 9:45am Keynote Speaker: **Guy Lonechild**, CEO, FNPA

## **9:45 am CST - SESSION 1 "Engaging societies and key stakeholders"**



Chair: Hans-Kristian Hernes, The University of Tromsø

1. (9:55-10:15) **Odin Foldvik and Inger Helene Scartdal** (UiT): Interdisciplinary approaches and the Smart Senja project.
2. (10:15-10:35am) **Nipa Dutta** (UofS): Recurring issues and concerns in wind energy project Environmental Assessments: analysis of western Canada
3. (10:35-10:55) **Michael Kvern** (UofW): Telling Manitoba's energy story: Mapping small-scale renewable energy

----- BREAK -----

## **1:00 pm CST - SESSION 2 "Sustainable Technologies"**

Chair: **Gwen Holdmann**, Alaska Center for Energy and Power

1. (1:10-1:30pm) **Bo Hu** (UofS): Safe Reinforcement Learning-Based Real-Time Energy Management in Combined Heat and Power Microgrids
2. (1:30-1:50pm) **Rich Stromberg** (UAF): A Study of Failure Modes and Degradation Rates for Reuse Solar Photovoltaic Modules
3. (1:50-2:10pm) **Henry Toal** (UAA, ACEP): The Onsite Real-time Collection and Acquisition (ORCA) Device: Microgrid Powerhouse Data Collection and Storage

## **2:30 pm CST - SESSION 3 "Energy Planning & Instruments"**

Chair: **Oscar Zapata**, University of Saskatchewan

1. (2:40-3pm) **Bobbie Balicki** (UofS): Cost Benefit Framework for Cold Climate Microgrids
2. (3-3:20pm) **Renata Leonhardt** (UofS): Advancing community energy: a review of government instruments supporting community energy
3. (3:20-3:40) **Michael Kvern** (UofW): Using energy planning to strengthen energy security: A case study in Churchill, MB



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May 6th, 2021

10am - 10:10am CST - Introductions

10:15 am CST - SESSION 1

Chair: **Andrea Kraj**, University of Saskatchewan

1. (10:25-10:45am) **Parvathy Sobha** (LTU): Role of Municipalities in Achieving the National Climate Target – A Case Study of Northern Sweden
2. (10:45-11:05) **Camila Martins Godinho** (UofS): Understanding the Impacts of, and Mitigation Actions for, Renewable Energy Projects: A Case Study of Wind Energy in Western Canada
3. (11:05-11:25) **Kate Robb** (UofW): It's Not Just Water Under the Bridge: Moving Towards Meaningful Public Participation in Canadian Water Power Licensing

----- BREAK -----

1:00 pm CST - SESSION 2

Chair: **Ken Belcher**, University of Saskatchewan

1. (1:10-1:30pm) **Rhys McMaster** (UofS): Socio-Technical Baseline Capacities: Community Energy Transition Opportunities
2. (1:30-1:50pm) **Tim Kalke** (UofS): Ownership structure for CEP in rural northern indigenous communities
3. (1:50-2:10pm) **Kate Robb** (UofW): Planning for a Sustainable Future: Exploring the Priorities of the Public in State-Level Energy Strategies

----- BREAK -----

2:30 pm CST - SESSION 3

Chair: **Diane Hirshberg**, University of Alaska Anchorage

1. (2:40-3:00pm) **Vikas Menghwani** (UofS): Tensions or Synergies Between Top-Down Energy Transition Policies and Community Perspectives: A Case Study from Canadian Northwest Territories
2. (3:00-3:20pm) **Sara Thompson** (UofS): Understanding Community-Based Perspectives on Energy Security: A Partnership with Gwich'in Tribal Council, NWT
3. (3:20-3:40pm) **Laura Lynes** (UofS): Weaving Indigenous Values into Research Design to Advance Energy Security in the North

3:45-4pm Closing Remarks: **Dave Schneider**, University of Saskatchewan





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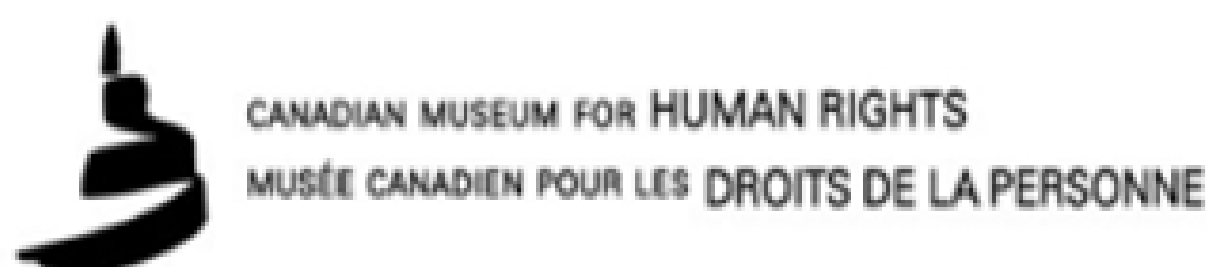



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