

AINA NEWS

AINA Welcomes Another Postdoc

This autumn, Dr. Henry (Harry) Penn joined the Arctic Institute of North America (AINA) as a postdoctoral researcher on the Genome Canada and Alberta GENICE project. The GENICE project will use microbial genomics to generate science-based knowledge on the role and potential of bioremediation—the biodegradation of oil by naturally occurring microorganisms—for oil spill mitigation in Arctic waters. Harry will support AINA to develop the environmental, ethical, economic, legal, and social aspects (GE³LS) components of GENICE in partnership with northern communities and organizations. Policies and strategies informed by genomics research will enable an improved capacity for environmental protection through safer shipping and oil exploration in the Arctic. Prior to joining the Institute, Harry completed a master's degree in Civil Engineering at Loughborough University in England and then traveled to the University of Alaska Fairbanks for his doctorate. His doctoral research was centered broadly on water infrastructure and water security, with a focus on the role of human capital and responses to change, both climatological and sociocultural. His thesis used water security as a lens through which to evaluate the effects of social and environmental changes on Alaska's rural communities. Interviews and participant observation with key community members, including city planners and infrastructure operators, were conducted to develop theoretical frameworks for increasing community capacity.



Dr. Henry Penn.

2016 Bourque Scholarship Winner

Monique Chapman is the 2016 recipient of the Jim Bourque Scholarship, which is administered by the Arctic Institute of North America. Monique is from Yellowknife, Northwest Territories, and is a member of Yellowknife Metis Nation Local #66. She is currently in her third year of undergraduate studies, working toward a Bachelor of Science degree in marine biology at Dalhousie University in Halifax, Nova Scotia. Monique's future plans include conducting research in the Arctic, focusing on the conservation of marine mammals and their habitats.

ASTIS Expands

The ASTIS Database now contains 17 800 research project descriptions from Yukon, Northwest Territories, and Nunavut, based on information collected by agencies that license field research. The ASTIS database is available for free online at <http://www.aina.ucalgary.ca/astis/> and users can limit their search to research projects by selecting "Research Projects Only" from the Record Type drop-down menu.

The ArcticNet Publications Database (www.aina.ucalgary.ca/arcticnet) has grown significantly in the past year and now describes more than 3400 publications from ArcticNet, 348 publications from the Canadian Arctic Shelf Exchange Study (CASES), and 209 publications from the International North Water Polynya Study (NOW). The 3700 publications currently in this database include 2400 refereed publications and 500 student theses. ASTIS is pleased to work with ArcticNet to provide this searchable archive of ArcticNet's refereed and non-refereed scientific publications.