

CASTS Conference 2003 - Tentative Agenda

Thursday September 18, 2003

- 5:00 - 10:00 pm Registration
- 7:00 - 10:00 pm Reception - Roberta Bondar Keynote Address - Round Dance

Friday September 19, 2003

- 7:00 AM Morning Prayer at Sunrise
- 8:00 - 5:00 pm Exhibitor Displays
- 8:30 - 9:00 am Traditional Opening and Welcoming to Conference
- 9:00 - 10:00 am Keynote Address
- 10:00 - 10:15 am Health Break
- 10:15 - 12:00 pm Session One

S&T

- 10:15 - 10:35 am *"Field Science and Local Knowledges: Re-Placing 'Objective' Expertise"*
by Annette Watson
- 10:35 - 10:55 am *Genetic Mapping of a Suppressor of a Ribonucleotide Reductase Mutation*
by Moshi Kotierk
- 10:55 - 11:15 am *Carotenoids in Eggs and Chicks of American Coots (Fulica Americana)*
by Usne Butt
- 11:15 - 11:40 am *Mathematics in Art* by Javad Tavakoli
- 11:40 - 12:00 pm *Careers in Geomatics* by Jean-Claude Tetreault

Traditional Knowledge

- 10:15 - 10:40 am *"Intergenerational Transmission of Indigenous Knowledge (IGTIK):
the Frontline Property of an Aboriginal employee in the Canadian University."*
by Darlene Okemaysin
- 10:40 - 11:00 am *Modern Science: A Traditional Perspective* by M. Iqbal
- 11:00 - 12:00 pm *"Indigenizing" Science: Community-based Strategies in Science Education*
by Herman Mitchell

Health

- 10:15 - 10:40 am** *Cancer Mapping for Aboriginal Communities in Saskatchewan*
by Karen Whitehawk and Norma Fuller
- 10:40 - 11:10 am** *Aboriginal Health Research in Canada: Emerging Discipline Limited by Capacity* by Malcolm King
- 11:10 -11:30 a+A132** *Antioxidant Properties of Flaxseed Lignans and Mammalian Lignans Derived From Flaxseed* by Farah Hosseinian
- 11:30 - 12:00 pm** *Creating A Framwork for a Diversity of Indigenous Participation in Health Research* by Louisa Wall

Education

- 10:15 - 11:00 am** *Indigenous Knowledge Program* by Tyrone Tootoosis
- 11:00 - 11:20 am** *The Aboriginal Knowledge and Science Education Research Project*
by Gloria Snively
- 11:20 - 12:00 pm** *Exploring Knots in Aboriginal Mathematics Education*
by Kathleen Nolan

Careers

- 10:15 - 10:45 am** *Aboriginal Professionals Overview* by Angela Schnurr
- 10:45 - 12:00 pm** Panel Discussion - Cameco

Environment

- 10:15 - 10:55 am** *Coyote Goes Virtual* by Jennifer Morrison, Brenda Aljam and Mary Sandy
- 10:55 - 11:15 am** *National First Nations Environmental Contaminants Program* by Erin Wolski
- 11:15 - 11:35 pm** *Agricultural and Biological Land Audits* by Tom Allen and Ken Bear
- 11:35 - 12:00 pm** *Using GIS to Link Blackfoot Environmental Knowledge with Ecological Databases* by Paulette M. Fox
- 12:00 - 1:15 pm** **Conference Lunch**
- 1:30 - 2:45 pm** **Session Two**

S&T

- 1:30 - 1:50 pm** *Geographical Information Systems and Global Positioning System Use on First Nations Lands* by Dale Worme
- 1:50 - 2:20 pm** *Oceans 11 – A Curriculum Development* by Brian Yamamura
- 2:20 - 2:45 pm** *Quantum Mechanics, Gravity and M-theory*
by Percy Paul

Traditional Knowledge

- 1:30 - 1:50 pm** *Mi'kmaq Storytelling: A Path to Understanding*
by Stephenie Bernard
- 1:50 - 2:10 pm** *Traditional Foods in Special-Care Homes: Benefits and Risks*
by Carmen Buschow
- 2:10 - 2:45 pm** *Examples and Tools for Bridging Traditional Knowledge and Western Science*
by Lynda Kitchikeesic Juden

Health

- 1:30 - 1:55 pm** *The Red Road Meets the Information Superhighway: Using Telehealth Technology for Psychological Services in a Northern Aboriginal Community*
by Tara Turner
- 1:55 - 2:15 pm** *“Decolonizing Genetic Science, Aboriginal Health and Diabetes: The Slick Story of the Thrifty Gene”*
by Jennifer Poudrier
- 2:15 - 2:45 pm** *Leading the Way in Aboriginal Nursing Education* by Valerie Arnault

Education

- 1:30 - 1:50 pm** *Indigenous Knowledge Contributions from the North and South*
by Priscilla Settee
- 1:50 - 2:10 pm** *Indigenous Knowledge and Social Science Research* by Robert Innes
- 2:10 - 2:30 pm** *Science and Technology Programs for Youth of the First Nation*
by Debbie Kiely
- 2:30 - 2:50 pm** *A Survey of Post-Secondary Aboriginal Science Programs in Canada*
by Belinda-Fiss and Dr. Lee Wilson

Careers

- 1:30 - 1:50 pm** Title: TBA
by Tanya Person
- 1:50 - 2:30 pm** *“Math & Science Equals Opportunity – A Formula for Our Future”*
by Lee Wilson and Candace Wasacace-Lafferty
- 2:30 - 2:50 pm** *Recruitment Strategies of Aboriginals into Science and Technology*
by Dale Worme

Environment

- 1:30 - 1:50 pm** *Domestic Use of Pesticides and Knowledge, Attitude and Practice of the Users* by Mohamad El-Eafihi
- 1:50 - 2:15 pm** *Columba Basin Aquatic Contaminants Project*
by James Edwards
- 2:15 - 2:45 pm** *ISO 14000 EMS and Plains First Nations Organizations: Are They Compatible?* By Doyle Anderson
- 2:45 - 3:00 pm** **Health Break**
- 3:00 - 4:15 pm** **Session Three**

S&T

- 3:00 - 3:25 pm** *Development of a Bacterial/Genetic Analytical Detection System for Soils Contaminated with Polycyclic Aromatic Hydrocarbons*
by S.M. Nilson and Dawn Pratt
- 3:25 - 3:45 pm** *Investigation of Gas Hydrates Using Spectroscopic Techniques*
by Lee Wilson
- 3:45 - 4:15 pm** *Serving Ontario's First Nations – Tradition and Technology for a Better Tomorrow* by Jamie Monastyrski

Traditional Knowledge

- 3:00 - 3:20 pm** *How the Mi'kmaq Appreciate the Medicine Wheel and Animals Through Storytelling and How Western Perspective of the Animals Help Us*
by Dina Bernard
- 3:20 - 3:40 pm** *Traditional Science, Everyday Science* by Barb Frazer
- 3:40 - 4:15 pm** *“Dancing Circles: Strong Hoop – Strong Spirit”*
by Delvin Kennedy and John Ogresko

Health

- 3:00 - 3:40 pm *Traditional Knowledge and the Changing Face of Health Care: Challenges and Opportunities for the Twenty-First Century* by Michael Epstein
- 3:40 - 4:15 pm *Voice of Urban Aboriginal Peoples and Diabetes* by Moneca Sinclair

Education #1

- 3:00 - 3:20 pm *Environmental Health and Science Program: Aboriginal Public Health Inspectors* by Dr. Edward Dolittle
- 3:20 - 3:50 pm *Change, Adaptation, Trust and First Nations Leadership* by Jackie Ottmann
- 3:50 - 4:15 pm *The Cameco Access Program in Engineering and Science: The Value of Partnerships in Science Education* by David Cowen

Education #2

- 3:00 - 3:45 pm *Workshop Precise: "Aboriginal Health Sciences and Community Based Programming"* by Perry Shawana and Warner Adam
- 3:45 - 4:15 pm *The Second Hurdle: Aboriginal Nursing Student's Challenges and Successes in a Four Year Degree Nursing Program* by Rose Roberts

Careers

- 3:00 - 3:20 pm Title: TBA
by Eileen Gelowitz
- 3:20 - 3:40 pm *Government of Canada: More Careers Than You Can Imagine*
by Sydney McMillian
- 3:40 - 4:15 pm *Panel Discussion on Aboriginal Issues and Recruitment in the College of Engineering, University of Saskatchewan* by Richard Burton
- 4:15 - 5:45 pm **Poster Session 1**
- 6:00 - 10:00 pm **Dinner, CASTS Scholarship Presentations, Theatre Group Entertainment - Plenary Lecture**

Saturday, September 20, 2003

- 7:00 AM **Morning Prayer at Sunrise**
- 8:30 - 3:00 pm **Exhibitor Displays**

9:00 - 10:30 am **Panel Discussion: Science, Technology, and Traditional Knowledge in Today's Environment**

10:30 - 10:45 am **Health Break**

10:45 - 12:00 pm **Session Four**

S&T

10:45 - 11:15 am *The Changing Worlds of the Mi'kmaq and Kat (American Eel - *Anguilla rostrata*)* by Kerry Prosper

11:15 - 11:40 am *Using Technology for Community Land Use Activities in Northern Canada* by Ken R. Johnson

11:40 - 12:00 pm *Creating a Framework for Indigenous Innovation - The New Zealand Experience* by John Kape

Traditional Knowledge

10:45 - 11:40 am *Integrating Traditional Knowledge and Science in the Classroom* by Simon Brascoupe

10:40 - 12:00 pm *Saskatchewan Environment Traditional Knowledge (TK) Community Research* by Michelle McKay-Poorman

Education #1

10:45 - 11:05 am *Engineering: A Better Future for Aboriginal Youth* by Randy Herrmann

11:05 - 11:25 am *Connecting Pathways Between Modern and Traditional Understandings of Science* by Brent Langlois

11:25 - 12:00 pm *Meeting the Challenge: Professional Forester Curriculum in Canada* by Trena Allen and Ken VanEvery

Education #2

10:45 - 11:10 am *Aboriginal Policy Initiative* by Stella Shrum

11:10 - 11:30 am *New Technologies – New Possibilities in First Nation Schools* by Randy Johns

11:30 - 12:00 pm *TeKnoWave – Creating a Wave of Native IT Talent* by Rima Aristocrat

Education #3

- 10:45 - 11:30 am** *“Rekindling Traditions”: Cross-Cultural Science and Technology Units*
by Glen Aikenhead
- 11:30 - 12:00 pm** *Bridging the Cultural/Language Gap Between Renewable Energy Technology
and First Nation Communities* by William Perrault

Careers

- 10:45 - 11:15 am** *Encouraging Information Technology Careers for Aboriginal People in
Saskatchewan* by Donna Lindskog and Lisa Watson
- 11:15 - 12:00 pm** *Coach Your Clients Online!*
by Frances Long
- 12:00 - 1:15 pm** **Conference Lunch - Plenary Lecture by Dr. Oscar Kawagley**
- 1:15 - 3:00 pm** **Session Five**

S&T

- 1:15 - 2:05 pm** *Native Access to Engineering Programme: A model to support delivery of
culturally relevant science and mathematics teaching and learning*
By Corinne Mount Pleasant-Jette and Dawn Wiseman
- 2:05 - 3:00 pm** *Bring ms Infinity to Your Community* by Jill Gardiner

Traditional Knowledge

- 1:15 - 1:50 pm** *The Culturally Integrated Curriculum Program Curriculum Approach*
by Theresa Cole
- 1:50 - 2:15 pm** *Traditional Indigenous Knowledge: Who’s Voice?* By Dr. Lenore Stiffarm
- 2:15 - 3:00 pm** *Eagle Creek Plant Science Project*
by Anna Leah-King

Health

- 1:15 - 2:00 pm** *Select Student Projects from IPHRC: Aboriginal Health Research Capacity
Development* by Ralph Nilson
- 2:00 - 3:00 pm** *Curriculum Enhancement: Increasing Indigenous Knowledge in Health
Science Programs* by Carrie Bourassa and Dr. Marlene Smadu

Education #1

- 1:15 - 1:35 pm** *Ag Adventures Program*
by Sara Leiffers

1:35 - 2:30 pm *School Communities: First Nations School Effectiveness Reviews*
by Sheila Carr-Stewart

2:30 - 3:00 pm *A Collaborative Approach to Professional Development for Isolated
Communities: A Case Study Using ICT to Broadcast Traditional Knowledge
and Contemporary Science in the North* by Cindy Hanson

Education #2

1:15 - 1:35 pm *Description of the Programs and Initiatives at NORTEP / NORPAC,
La Ronge, Saskatchewan* by Kent Pointon

1:35 - 2:20 pm *Thames River First Nation's Natural Heritage Education* by Craig Nicks

2:20 - 2:40 pm *CERTEE* by Jana Miller

2:40 - 3:00 pm *Gitga'at Plant Project: Bring Indigenous Knowledge into School Science
Curricula* by Judy Thompson

Careers

1:15 - 2:00 pm *Careers in Agriculture and Food Sciences Part 1*
by Al Mohart

2:00 - 3:00 pm *Careers in Agriculture and Food Sciences Part 2*
by Al Mohart

2:45 - 3:00 pm **Health Break**

3:00 - 4:00 pm **Elders Talk(s) and Closing**

4:00 - 5:30 pm **Poster Session Two**

4:00 - 5:30 pm **Session Six**

S&T

4:00 - 4:50 pm *Panel Discussion - Maori*

4:50 - 5:10 pm *Identification of Potentially Hepatotoxic Reactive Intermediates of
Nordihydroguaiaretic acid* by Jennifer Billinsky

5:10 - 5:30 pm *The Role of Aquatic Insect Predators and Their Zooplankton Prey in Bridging
the Gap Between Shallow and Open Water Habitats, and Their Role in
Acid-Stressed Lakes* by Allison Cooper Jackson

Traditional Knowledge

4:00 - 5:00 pm Title: TBA
by Darlene Spiedel

Education #1

4:00 - 4: 20 pm *Super Saturday* by Elizabeth Conner

4:20 - 5:30 pm *Teaching Online – Successfully* by Frances Long

Education #2

4:00 - 4:40 pm *To Teach From the Soul* by Bente Huntley

4:40 - 5:30 pm *Developing Science Programs that Incorporate Indigenous Knowledge*
by Dawn Sutherland

Environment

4:00 - 4:30 pm *Membrane bioreactors for wastewater treatment on Northern Manitoban
First Nation communities* by Kris Frederickson

4:30 - 5:05pm *Environment and Natural Resources* by Norman Hansen

4:30 - 6:00 pm **CASTS Annual General Meeting**

6:30 - 8:30 pm **Youth Entertainment**

8:30 - 9:00 pm **Elder Closing and Speeches by Dr. Leroy Littlebear and Dr.
Oscar Kawagley**

Sunday, September 21, 2003

10:00 - 2:00 pm **CASTS Board Meeting**

