AGU FALL MEETING 2015

Submitted by Virginia Keast Mon, 2015-12-07 16:44

San Francisco  |  14 - 18 December 2015

Presenting ONC Data...

Monday, 14 December 2015

08:00 - 12:20  Moscone South - Posters Hall

- IN11D-1797  **Flexible Workflow Software enables the Management of an Increased Volume and Heterogeneity of Sensors, and evolves with the Expansion of Complex Ocean Observatory Infrastructures.** Meghan Charlotte Tomlin and Reyna Jenkyns, Ocean Networks Canada, Victoria, BC, Canada
- IN11D-1796  **Using Principal Component and Tidal Analysis as a Quality Metric for Detecting Systematic Heading Uncertainty in Long-Term Acoustic Doppler Current Profiler Data.** Michael G Morley1, Steven F Mihaly2, Richard K Dewey2 and Marlene A Jeffries1, (1)Ocean Networks Canada, Victoria, BC, Canada, (2)University of Victoria, Victoria, BC, Canada
13:40 - 18:00  Moscone South - Posters Hall

- **ED13C-0897  Cabled observatories: Connecting coastal communities to local ocean data.** Maia Hoeberechts, Jessica C.K. Brown, Mercedes Alexandra McLean, Natasha Ewing, Monika Pelz, Kate Moran, Ocean Networks Canada, Victoria, BC, Canada

Tuesday, 15 December 2015

08:00 - 12:20  Moscone South - Posters Hall

- **ED21A-0826  An ?Orca-stra? of Science and Sound: The Reverberations of Northeast Pacific Whales and How We?re Helping People Understand Them Though Games, Demos and Listening.** Richard K Dewey1, Maia Hoeberechts2, Monika Pelz2, Kristen Kanes2 and Natasha Ewing2, (1)University of Victoria, Victoria, BC, Canada, (2)Ocean Networks Canada, Victoria, BC, Canada

- **IN21A-1680  Automated Video Quality Assessment for Deep-Sea Video.** Maia Hoeberechts, Arnold Kalmbach, Tanmana Sadhu, Alexandra Branzan Albu, Hervé Glotin, Alice Olga Victoria Bui, Marlene A Jeffries, Benoît Pirenne, Ocean Networks Canada, Victoria, BC, Canada

- **T21D-2854  On the Possibility of Slip-to-trench Rupture in Cascadia Megathrust Earthquakes.** Dawei Gao1, Kelin Wang2, Michael Riedel3, Tianhaozhe Sun1, Tania Lado Insua4, Chris Goldfinger5 and George R Priest6, (1)University of Victoria, Victoria, BC, Canada, (2)Geological Survey of Canada Sidney, Sidney, BC, Canada, (3)GEOMAR Helmholtz Centre for Ocean Research Kiel, Kiel, Germany, (4)Ocean Networks Canada, Victoria, BC, Canada, (5)Oregon State University, College of Earth, Ocean and Atmospheric Sciences, Corvallis, OR, United States, (6)Retired volunteer, Oregon Dept. of Geology and Mineral Industries, Newport, OR, United States

13:40 - 18:00  Moscone South - Posters Hall

- **NH23B-1888  Providing the Framework for Earthquake and Tsunami Early Warning in British Columbia, Canada: WARN, the Web-enabled Awareness Research Network.** Benoit Pirenne, Andreas Rosenberger, Robert Crosby, Melissa MacArthur, Nick Allen and Mehrnaz Bayaki, Ocean Networks Canada, Victoria, BC, Canada

- **NH23C-1890  Preliminary tsunami hazard assessment in British Columbia, Canada.** Tania Lado Insua1, Annette R Grilli2, Stephan T Grilli2, Michael R Shelby2, Kelin Wang3, Dawei Gao4, Josef Y Cherniawsky5, Jeffrey Clark Harris6, Martin Heesemann1, Scott McLean1 and Kate Moran4, (1)Ocean Networks Canada, Victoria, BC, Canada, (2)Univ Rhode Island, Narragansett, RI, United States, (3)Geological Survey of Canada Sidney, Sidney, BC, Canada, (4)University of Victoria, Victoria, BC, Canada, (5)Department of Fisheries and Oceans, Department of Fisheries and Oceans, Sidney, BC, Canada, (6)University Paris-Est, Descartes, Laboratoire d'Hydraulique Saint-Venant, Paris, France

- **NH23A-1854  Evaluation of the Suitability of GNSS Instruments as Proxy Tide Gauges in a Tsunami Early-Detection Context.** Jay Hoeberechts1, Lucinda J Leonard1, Gwyn Lintern2,3, Tania Lado Insua4 and Lisa Nykolaishen5, (1)University of Victoria, Victoria, BC, Canada, (2)Geological Survey of Canada, Sidney, BC, Canada,
OS23B-2014  Ocean observatory networks monitor gas hydrates systems - Updates from Cascadia.  Martin Scherwath1, Deborah S Kelley2, Kate Moran3, Brendan Thomas Philip4, Miriam Roemer5, Michael Riedel6, Evan A Solomon7, George Spence3 and Martin Heesemann1, (1)Ocean Networks Canada, Victoria, BC, Canada, (2)University of Washington Seattle Campus, Seattle, WA, United States, (3)University of Victoria, Victoria, BC, Canada, (4)University of Washington, Seattle, WA, United States, (5)University of Bremen, Bremen, Germany, (6)GEOMAR Helmholtz Centre for Ocean Research Kiel, Kiel, Germany, (7)University of Washington, School of Oceanography, Seattle, WA, United States

Wednesday, 16 December 2015

08:15 - 08:30  TALK - Moscone West ? 3009

- OS31B-02  Tidal influence on gas bubble emissions from permanent seafloor observations at Ocean Networks Canada's cabled array NEPTUNE.  Miriam Roemer1, Martin Scherwath2, Martin Heesemann2, George Spence3 and Michael Riedel4, (1)University of Bremen, Bremen, Germany, (2)Ocean Networks Canada, Victoria, BC, Canada, (3)University of Victoria, Victoria, BC, Canada, (4)GEOMAR Helmholtz Centre for Ocean Research Kiel, Kiel, Germany

13:40 - 18:00  Moscone South - Posters Hall

- IN33B-1806  Digital Curation of Marine Physical Samples at Ocean Networks Canada.  Reyna Jenkyns, Meghan Charlotte Tomlin and Ross Timmerman, Ocean Networks Canada, Victoria, BC, Canada

Thursday, 17 December 2015

13:40 - 18:00  Moscone South, Poster Hall

- OS43A-2009  Oceanographic Controls on Diffuse Flow Temperature Variability at Main Endeavour Field.  Steven F Mihaly1, Marjolaine Matabos2, David A Butterfield3, Raymond Lee4, Marvin D Lilley5, Pierre-Marie Sarradin6 and Jozee Sarrazin2, (1)University of Victoria, Victoria, BC, Canada, (2)IFREMER, Plouzané, France, (3)Pacific Marine Environmental Laboratory, Seattle, WA, United States, (4)Washington State University, Pullman, WA, United States, (5)Univ Washington, Seattle, WA, United States, (6)IFREMER, Brest, France

- OS43A-1994  Integrated Data from the NEPTUNE Observatory Highlight the Role of Sub-seafloor Processes in Rapid Temperature, Salinity, and Heat spiking after Seismic Activity.  Benjamin I Larson, NOAA Seattle, Seattle, WA, United States, Guangyu Xu, Rutgers University New Brunswick, New Brunswick, NJ, United States, Marvin D Lilley, Univ Washington, Seattle, WA, United States, Karen G Bemis, Rutgers University, Institute of Marine and Coastal Sciences, New Brunswick, NJ, United States and David A Butterfield, University of Washington/NOAA/PMEL, Seattle, WA, United States
States

- OS43A-1993 **COVIS Detects Interconnections Between Atmospheric, Oceanic and Geologic systems at a Deep Sea Hydrothermal Vent.** Karen G Bemis, Rutgers University, Institute of Marine and Coastal Sciences, New Brunswick, NJ, United States, Guangyu Xu, Rutgers University New Brunswick, New Brunswick, NJ, United States and Raymond Lee, Washington State University, Pullman, WA, United States


Friday, 18 December 2015

08:00 - 12:20 Moscone South - Posters Hall

- T51D-2899 **Cabling a Tectonic Plate?Continuous Live Data from the Cascadia Subduction Zone is Enabled through Ocean Networks Canada’s NEPTUNE Observatory and the Ocean Observatories Initiative’s Cabled Array.** Martin Heesemann1, Martin Scherwath1, Kate Moran2, William S D Wilcock3, Richard Thomson4 and Earl E Davis5, (1)Ocean Networks Canada, Victoria, BC, Canada, (2)University of Victoria, Victoria, BC, Canada, (3)University of Washington Seattle Campus, Seattle, WA, United States, (4)Institute of Ocean Sciences, Sidney, BC, Canada, (5)Pacific Geoscience Center, Sidney, BC, Canada

- T51D-2901 **APT: An Autonomous Tool for Measuring Acceleration, Pressure, and Temperature with Large Dynamic Range and Bandwidth.** Earl E Davis, Pacific Geoscience Center, Sidney, BC, Canada and Martin Heesemann, Ocean Networks Canada, Victoria, BC, Canada

- ED51B-0818 **Community Observatories: Fostering Ideas that STEM From Ocean Sense: Local Observations. Global Connections.** Monika S. Pelz1, Natasha Ewing1, Maia Hoeberechts1, David J. Riddell2, Mercedes Alexandra McLean3 and Jessica Brown3, (1)Ocean Networks Canada, Victoria, BC, Canada, (2)University of Victoria, Victoria, BC, Canada, (3)Ocean Networks Canada, University of Victoria, User Services - Learning and Engagement, Victoria, BC, Canada

- ED53B-0854 **Using Citizen Science to Close Gaps in Cabled Ocean Observatory Research.** Kate Moran1, David J. Riddell1, Maia Hoeberechts2, Ryan Flagg2, Jodie Walsh1 and Michael G Morley2, (1)University of Victoria, Victoria, BC, Canada, (2)Ocean Networks Canada, Victoria, BC, Canada

- OS53B-2019 **Extraordinarily Warm Northeast Pacific Surface Waters: 2014 Observations.** Richard K Dewey1, Steven F Mihaly1 and Howard Freeland2, (1)University of Victoria, Victoria, BC, Canada, (2)Institute of Ocean Sciences, Sidney, BC, Canada

13:40 - 18:00 Moscone South, Poster Hall

- PA53A-2223 **Discovering Physical Samples Through Identifiers, Metadata, and Brokering.** Denise J Hills, Geological Survey of Alabama, Energy Investigations Program, Tuscaloosa, AL, United States, David K Arctur, University of Texas at Austin,
Austin, TX, United States and Reyna Jenkyns, Ocean Networks Canada, Victoria, BC, Canada

17:15 - 17:25  ONC Talk - Moscone South ? 310 - Speaker: Monika Pelz

- ED54B-08 Sense Things in the Big Deep Water Bring the Big Deep Water to Computers so People can understand the Deep Water all the Time without getting wet. Martin Heesemann\textsuperscript{1}, Monika Pelz\textsuperscript{1}, Martin Scherwath\textsuperscript{1}, Dwight Owens\textsuperscript{2}, Maia Hoeberechts\textsuperscript{1} and Kate Moran\textsuperscript{3}, (1)Ocean Networks Canada, Victoria, BC, Canada, (2)University of Victoria, Ocean Networks Canada, Victoria, BC, Canada, (3)University of Victoria, Victoria, BC, Canada

Tags:

- AGU Fall Meeting 2015
- ONC data

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Highlights

- Audio
- Data
- Learning
- Science
- Video

Reading Room

- Active Research
- Backgrounders
- FAQs
- Glossary
- News Briefs
- News Stories
- Newsletters
- Publications
Cool Stuff

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  - iBooks & e-Pubs
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- Maps
- Images
- State of the Ocean

Data & Tools

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  - Data Search
  - Data Policy
  - Data Help
  - OPeNDAP Web Services

Opportunities

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- Educator Opportunities
- Global Partnerships
- Industry Network
- Jobs
- Staff List
- Technology Services

Sites & Instruments

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- Northeast Pacific Sites
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