

# Line P Workshop

## Tuesday 3 March and Wednesday 4 March 2009

Stewart Auditorium, Institute of Ocean Sciences, 9860 West Saanich Road, Sidney, BC

**0930**

### Introduction

[Bill Crawford](#) *et al.*  
[Jody Klymak](#)  
[Robert Kamphaus](#)  
[Charlie Eriksen](#)

*Temperature, salinity, nutrients, oxygen along Line P.*  
*Measurements of lateral stirring on Line P.*  
*Overview of the moorings/planned moorings at Station Papa.*  
*Seaglider repeat surveys of upper ocean structure in the vicinity of Station P: June 2008 to present.*

[Steve Emerson](#)

*The Annual Cycle of Biological Carbon Production Determined from the In Situ Sensors on the Station P Mooring.*

**1100 – 1115**

### Break

C.S. Wong  
[Sophie Johannessen](#)  
[Karina Giesbrecht](#)  
[Yiming Luo](#)  
[Maite Maldonado](#)

*Climate gases of CO<sub>2</sub> and DMS at Station P/Line P: distribution and oceanic penetration. Line P pCO<sub>2</sub> time series.*  
*Net Community Production at Station P from an Oxygen/Argon Mass Balance.*  
*Particle flux and remineralisation based on Th and Pa.*  
*Cu requirements and acquisition mechanisms in plankton communities along Line P.*

**1230 – 1330**

### Group photo - Lunch

[Maria Kavanaugh](#)  
[Jody Wright](#)  
Anissa Merzouk  
[Sarah-Jeanne Royer](#)

*Seasonal and spatial variations of primary productivity in the NE Pacific.*  
*Bacterial community dynamics in the Subarctic Pacific Ocean.*  
*Depth profiles of N<sub>2</sub>O and CH<sub>4</sub> and underway (high resolution) DMS measurements.*  
*DMSP microbial dynamics along a natural iron gradient in the northeast Pacific. (Presented by Martine Lizotte)*  
*Diatom Abundance and Production Rates Along Line P in the NE Pacific 1998-2000.*

[Michael Lipsen](#)

**1500 – 1515**

### Break

[Adrian Marchetti](#)

*Environmental transcriptomics from an iron-enriched eukaryotic plankton community at Station Papa.*

[François Ribalet](#)

*High resolution of phytoplankton distributions along the Line P transect using flow-through flowcytometry.*

[Colleen Durkin](#)

*Contribution of different diatom genera to total community silicification along Line P. CPR data.*

[Sonia Batten](#)

*Acoustic sounder VS Multinet results.*

[Moira Galbraith](#)

**1630**

### General discussion

## Wednesday 4 March

**0900 –**

[Damian Grundle](#)  
[Maurice Levasseur](#)  
[Johan Schijf](#)

*Euphotic zone nitrification rates along Line P in the NE Pacific.*  
*Sensitivity of HNLC regions to dust deposition in a low pH ocean.*  
*How to catch pteropods and what we hope to learn from them regarding ocean acidification.*

[Oliver Wurl](#)

*The Sea-Surface Microlayer: Where the Ocean Meets the Sky.*

[Doug Yelland](#)

*The La Perouse project. (New 'format' for the Line P cruises)*

**1030 – 1045**

### Break

[Marie Robert](#)

*"New" Line P Website.*

**1045**

### General discussion:

*Productivity estimates – Philippe Tortell.*