



**CONTRIBUTED SESSION:
BIOGEOCHEMICAL CYCLES OF TRACE
ELEMENTS AND IMPLICATIONS FOR MARINE
ECOSYSTEMS – PART 1**

Co-Chairs: Robert Anderson (USA), Timothy Jickells (UK)

TUESDAY, JUNE 7

- 2.00-2.15 **IRON SOURCES IN THE EQUATORIAL PACIFIC: MODELING ZONAL TRANSPORT AND BIOGEOCHEMICAL RESPONSE**
L. Ossiander, J. Murray, O. Aumont, C. Menkes, and K. Rodgers
- 2.15-2.30 **NEW EVIDENCE FOR IRON-LIGHT CO-LIMITATION AT THE SUBSURFACE CHLOROPHYLL MAXIMUM**
Brian Hopkinson and Kathy Barbeau
- 2.30-2.45 **SEASONAL-SCALE VARIABILITY OF IRON IN THE SARGASSO SEA**
Peter N. Sedwick and Thomas Church
- 2.45-3.00 **IMPORTANCE OF IRON TO TRICHODESMIUM COLONIES IN THE WESTERN NORTH ATLANTIC**
Katherine Achilles, Fred Lipschultz, Peter N. Sedwick, George Luther and Thomas Church
- 3.00-3.15 **OBSERVATIONS OF A SIGNIFICANT ANNUAL BLOOM IN THE SOUTHERN OCEAN**
Raymond Pollard, Richard Sanders, Mike Lucas, Peter Statham
- 3.15-3.30 **SAMPLING AND ANALYSIS OF Fe: THE SAFE IRON INTERCOMPARISON CRUISE**
Kenneth S. Johnson, Ed Boyle, Ken Bruland, Kenneth Coale, Chris Measures, James Moffett, and the SAFE Participants
- 3.30-3.45 **DEPENDENCE OF PHYTOPLANKTON METAL UPTAKE ON MACRONUTRIENT, CO₂, AND METALS AVAILABILITY IN OCEANIC SURFACE WATERS.**
Robert M. Sherrell, Liping Wei, Liping, Yongcheng Ji, Eleni Anagnostou, M. Paul Field
- 3.45-4.00 **BEYOND THE MICRO-NUTRIENT BEHAVIOR OF TRACE ELEMENT: ARSENIC BIOGEOCHEMISTRY IN TERRESTRIAL AND MARINE AQUATIC ENVIRONMENT**
Yan Zheng
- 4.00-4.15 **NEW CONCEPT FOR MODELING OF MIGRATION AND TRANSFORMATION OF BATTLE POISONS IN THE BALTIC SEA AND THE NORTH SEA**
V.V. Anikiev, V.A. Tverdislov, M.S. Poptsova, V.V. Sidorova