

**Mini-symposium 2- Biogeochemical Cycles in Coral Reefs**  
**Monday 21<sup>st</sup> June 2010**

| <b>Time/Place</b> |   | <b>Meeting Room 3</b>   |
|-------------------|---|---|
| 15:20 -17:30      | <b>Conveners: Y.Suzuki, P.Tantichodok</b> |   |
| 15:30 – 15:45     | <b>A. Sylvain</b>                         | <b>POLYP GASTRIC CAVITY INTERNAL PROCESSES: IMPLICATIONS FOR BIOGEOCHEMISTRY</b>  |
| 15:45 – 16:00     | <b>T. Fujisawa</b>                        | <b>RAPID CONSUMPTION OF INORGANIC PHOSPHATE IN CORAL MUCUS</b>  |
| 16:00 – 16:15     | <b>Y. Suzuki</b>                          | <b>RE-EVALUATION OF PRIMARY PRODUCTION AND NITROGEN CYCLE IN CORAL REEF</b>   |
| 16:15 – 16:30     | <b>A. Watanabe</b>                        | <b>EVALUATION OF CO<sub>2</sub> FLUX IN SHIRAHO REEF USING A NEWLY-DEVELOPED CARBONATE SYSTEM DYNAMICS MODEL</b>              |
| 16:30 – 16:45     | <b>M. Mueller</b>                         | <b>BIOGEOCHEMICAL STUDIES OF SULPHIDIC SEDIMENTS AND THE POTENTIAL USE OF NOVEL TECHNIQUES TO CORAL REEF STUDIES</b>          |
| 16:45 – 17:00     | <b>K. Mizubayashi</b>                     | <b>VARIABILITY OF ULTRAVIOLET RADIATION AND ITS RELATIONSHIP TO CORAL REEF COMMUNITIES SURROUNDING THE MALAYSIA PENINSULA</b> |
| 17:00 – 17:15     | <b>R. Nakajima</b>                        | <b>BIOMASS AND ESTIMATED PRODUCTION RATE OF NET-ZOOPLANKTON</b>   |
| 17:15 – 17:30     |   | <b>Discussion &amp; Conclusion</b>  |