

Timetable for the International symposium on Modeling and Analysis of Marine Environmental Problems

September 22, 2010

<i>Time</i>	<i>Event</i>
9:00	Opening Ceremony (Green Hall) <i>Opening Remarks: Yasunobu Yanagisawa (President, Ehime University)</i> <i>Shinsuke Tanabe (Leader of Global COE Program, CMES)</i> <i>Taking commemorative photos</i>
10:00	Keynote Speech 1
10:40	Oral Session 1
12:00	<i>Lunch & Poster session</i>
14:00	Keynote Speech 1
14:40	Oral Session 1
15:40	<i>Coffee Break</i>
16:00	Oral Session 1
17:20	Special Lecture
18:00	Symposium Banquet

September 23, 2010

<i>Time</i>	<i>Event</i>
9:00	Opening
9:05	Keynote Speech 2
9:40	Oral Session 2
10:20	<i>Coffee Break</i>
10:35	Oral Session 2
12:00	<i>Lunch</i>
13:00	Oral Session 3
13:30	Keynote 3-1
14:10	Keynote 3-2
14:50	<i>Coffee Break</i>
15:20	Oral Session 3
17:00	Closing Ceremony <i>Best Poster Presentation Awards</i> <i>Closing Remarks: Hidetaka Takeoka (Director of CMES)</i>

Symposium Program: Oral Sessions (Green Hall)

September 22 (Wednesday), 2010

Session 1: Ecosystem Modeling and Analysis

Chairperson: Xinyu Guo

- 10:00 - 10:40 Keynote Speech
Yvette Spitz (Oregon State University)
Ecosystem modeling of the Oregon shelf: everything but the kitchen sink
- 10:40 - 11:00 **Yoshikazu Sasai** (JAMSTEC)
Marine ecosystem simulation in the Indonesia Seas
- 11:00 - 11:20 **Xinyu Guo** (CMES, Ehime University)
Ecosystem and nutrient dynamics in the East China Sea
- 11:20 - 11:40 **Akiro Sohma** (Mizuho Information & Research Institute)
Ecological Connectivity of Benthic-Pelagic Systems and Central Bay-Tidal Flats Areas, and Its Modeling
- 11:40 - 12:00 **Naoki Yoshie** (CMES, Ehime University)
Ecosystem and nutrient dynamics in the Seto Inland Sea Japan
- 12:00 - 14:00 *Lunch & Poster Session*

Session 1: Continued

Chairperson: Naoki Yoshie

- 14:00 - 14:40 Keynote Speech
Francisco Werner (University of North Carolina)
Developing a modeling framework for basin scale models of marine ecosystems
- 14:40 - 15:00 **Takeshi Okunishi** (NRIFS, Fisheries Research Agency)
A numerical modeling study of Japanese sardine (*Sardinops melanostictus*) migrations in the western North Pacific
- 15:00 - 15:20 **Richard D. Brodeur** (Oregon State University)
Investigating Alternate trophic pathways through gelatinous zooplankton, Krill, and Planktivorous Fishes in an Upwelling Ecosystem Using End-to-End Models
- 15:20 - 15:40 **Naoki Fujii** (CMES, Ehime University)
Factors controlling jellyfish populations in the Seto Inland Sea
- 15:40 - 16:00 *Coffee Break*

Session 1: Continued

Chairperson: Jun-ya Shibata

- 16:00 - 16:20 Ecosystem Model
Kisaburo Nakata (Tokai University)
Fate prediction model of organic chemicals in the coastal bay estuaries
- 16:20 - 16:40 **Koji Omori** (CMES, Ehime University)
Ecosystem Analysis of Seto Inland Sea
- 16:40 - 17:00 **Carl D. van der Lingen** (Marine & Coast Management, South Africa)
Trophic dynamics of pelagic nekton in the Southern Benguela Current Ecosystem
- 17:00 - 17:20 **Todd W. Miller** (CMES, Ehime University)
Tracing dynamics of organic material flow in coastal marine ecosystems: results from Manila Bay (Philippines) and Kyucho Intrusion (Japan)
- 17:20 - 17:40 Special Lecture
Yudi Anantasena (BPPT, Indonesia)

September 23 (Thursday), 2010

Session 2: POPs Modeling and Analysis

Chairperson: Jun Ono

- 9:00 - 9:05 **Itsuki C. Handoh** (CMES, Ehime University)
Aim of the session
- 9:05 - 9:40 Keynote Speech
Frank Wania (University of Toronto)
Comparing the vulnerability of polar, temperate, and tropical marine systems to persistent organic pollutants
- 9:40 - 10:00 **Toru Kawai** (NIES)
The roles of marine phytoplankton and ocean circulation in determining the global fate of polychlorinated biphenyls
- 10:00 - 10:20 **Itsuki C. Handoh** (CMES, Ehime University)
Bayesian uncertainty and sensitivity analysis of the global dynamics of persistent organic pollutants: Towards bounding the planetary boundaries for chemical pollutions
- 10:20 – 10:35 *Coffee Break*

Session 2: Continued

Chairperson: Toru Kawai

- 10:35 - 11:00 **Tatiana Ilyina** (University of Hawaii)
What drives the fate of persistent organic pollutants in the North Sea? : Insights from a regional model
- 11:00 - 11:20 **Jun Ono** (CMES, Ehime University)
Process study on the dynamics of persistent organic pollutants in the East China Sea
- 11:20 - 11:45 **Yasuhiro Hirai** (Kyoto University)
A review of recent developments in marine food-web modelling of persistent organic pollutants

Session 2: Continued

Chairperson: Itsuki C. Handoh

11:45 - 12:00 Discussion

12:00 - 13:00 *Lunch*

Session 3: Marine Litter Modeling and Analysis

Chairperson: Itsuki C. Handoh

- 13:00 - 13:30 **Atsuhiko Isoke** (CMES, Ehime University)
Beach litter research project in East China Sea
- 13:30 - 14:10 Keynote Speech 1
James Leichter (Scripps Inst. Oceanogr.)
Accumulation of plastic debris in the North Pacific Gyre
- 14:10 - 14:50 Keynote Speech 2
Hideshige Takada (Tokyo University of Agriculture & Technology)
International Pellet Watch: Global monitoring of persistent organic pollutants (POPs) and understanding the potential chemical effects of marine plastics on marine ecosystem
- 14:50 - 15:20 *Coffee Break*
- 15:20 - 15:50 **Chelsea Roachman** (University of California)
The "Other" Plastic Problem: A Closer Look at the Chemical and Toxicological Aspect of Marine Debris
- 15:50 - 16:20 **Mark Browne** (University College Dublin)
The implications of our plastic-age for animals and habitats
- 16:20 - 16:50 **Hiroshi Miyake** (Kitazato University)
Deep-sea litter observed using research submersibles
- 16:50 - 17:00 Discussion