



100 Island Challenge: Cross-regional perspectives of coral reef structure and function
January 15-17, 2019
Seaside House Seminar Room
Okinawa Institute of Science and Technology Graduate University

Overview – Regional comparisons of coral reefs have been invaluable in informing us of the structure and dynamics of these diverse and complex ecosystems. Due to logistical constraints, most regional comparisons have been completed at geographical scales of 10s to 100s of km, with study sites most often contained within geopolitical boundaries. The ecology of coral reefs, however, is not constrained at such scales, and novel insights are likely to emerge through a broadened geographic context of comparison.

This workshop brings together academics and practitioners who have been working to push the geographic boundaries of coral reef investigation and management. Further, the workshop provides a forum to discuss new opportunities to broaden the scope of existing studies of the workings of coral reefs today and into the future.

Workshop structure – The workshop structure has been designed to achieve tangible outputs, serving as a foundation for ongoing collaboration among the participants and the broader community. We begin with a series of short-format talks (12-15 minutes each) from the willing participants, organized into three themes:

- i. Examples of science learned uniquely through geographically expansive studies of coral reef ecosystems,
- ii. Discussion of science that can be learned when crossing geopolitical divides, with a particular focus on the science and management opportunities and challenges,
- iii. Exploration of practical approaches to accelerate cross-regional studies through application of new technologies, especially in large-scale environmental imaging.

We will continue into a series of facilitated roundtable discussions, breakout sessions, and brainstorming periods. Three targeted outputs of the meeting are (1) a paper (academic paper or ‘white paper’) on the opportunities for coordinated, international studies of coral reefs, (2) a strategy for advancing novel technologies in imaging across international groups, specifically identifying funding opportunities to support such efforts, and (3) commitment to novel collaborations of participants, both within and beyond the scope of topics discussed in forum.

Workshop philosophy – The participants for this workshop have been selected based upon their experience, their expertise in the field, and their proven dedication to sincere collaboration in working toward a common goal. We have structured the workshop to maximize interactions and discussions, with the goals to maximize the power of collaboration. All ideas are welcomed, and no ideas will be stolen; we engage in this workshop as a team. With trust and mutual support, we are poised to accomplish much more than the sum of our parts!

Tuesday, January 15, 2019

Time	Activity	Location	Speaker
07:00-09:00	Breakfast	Chura Hall (3 rd Floor)	
09:05-09:15	Welcome	Seminar Room (1 st Floor)	Kirk Sato
09:15-09:45	Opening Remarks & Introductions	Seminar Room	Stuart Sandin
09:45-10:15	Workshop Goals	Seminar Room	Brian Zgliczynski
10:15-10:45	OIST & Okinawa	Seminar Room	Satoshi Mitarai OIST ECO Club
10:45-11:15	Coffee/Tea Break	Lobby	
11:15-12:00	<i>Session I</i> – Regional comparisons of coral reefs	Seminar Room	Rusty Brainard Masako Nakamura Atsushi Fujimura
12:00-2:00	Lunch	Seaside House	
2:00-2:45	<i>Session I</i> – Regional comparisons of coral reefs (cont.)	Seminar Room	Jamie Gove James Reimer
2:45-3:30	<i>Session II</i> – International comparisons; opportunities and challenges	Seminar Room	Melanie McField Serge Planes
3:30-4:00	Coffee/Tea Break	Lobby	
4:00-5:00	<i>Session II</i> – International comparisons (cont.)	Seminar Room	Andy Estep Brian Zgliczynski
5:00-7:00	Dinner	Chura Hall	

Emergency Contacts:

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Ambulance/Fire Department: 119



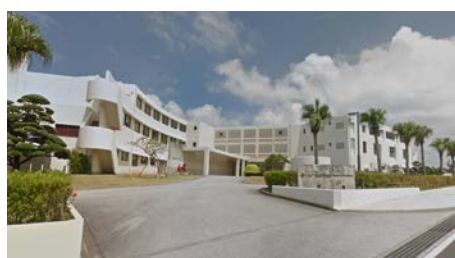
Wednesday, January 16, 2019

Time	Activity	Location	Speaker
07:00-09:00	Breakfast	Chura Hall (3 rd Floor)	
09:05-09:30	Flashlight	Seminar Room (1 st Floor)	Kirk Sato
09:30-10:45	<i>Session III</i> – Technological advances in and value of imaging	Seminar Room	Jennifer Smith N. Pedersen & L. Bonito Will Figueira Randi Rotjan
10:45-11:15	Coffee/Tea Break	Lobby	
11:15-12:45	Round Table Discussion	Seminar Room	100 IC Team
12:45-2:30	Lunch	Grano Restaurant @ OIST Main Campus	
2:30-4:00	<i>Breakout sessions</i> 1. Coral reefs in the international seas 2. Watching reefs change with images	Seminar Room	All, in two groups
4:00-4:45	Group 1 – Summary and discussion	Seminar Room	Group 1 leads
4:45-5:30	Group 2 – Summary and discussion	Seminar Room	Group 2 leads
5:30-7:00	Break		
7:00-9:00	Dinner	Chura Hall	

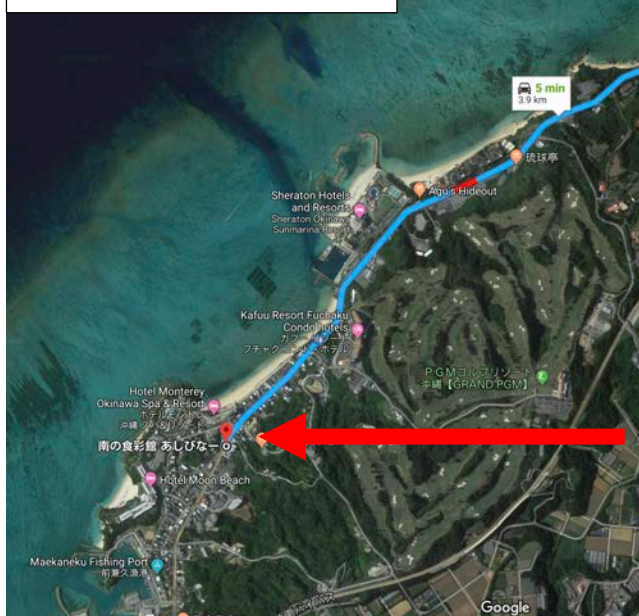


Thursday, January 17, 2019

Time	Activity	Location	Speaker
07:00-09:00	Breakfast	Chura Hall (3 rd Floor)	
09:05-09:30	Flashlight	Seminar Room (1 st Floor)	Brian Zgliczynski
09:30-10:45	<i>Collaboration brainstorming</i> – what questions are we poised to answer together?	Seminar Room	All, in forum
10:45-11:15	Coffee/Tea Break	Lobby	
11:15-12:30	<i>Breakout sessions</i> – drafting a strategy forward	Seminar Room	All, in two groups
12:45-2:30	Lunch	Seaside House/OIST	
2:30-4:00	<i>Round Table Discussion</i>	Seminar Room	100 IC Team
4:00-4:30	Closing Remarks	Seminar Room	100 IC Team
4:30-7:00	Break		
7:00-	Dinner	Ashibina Restaurant	



OIST Seaside House



Ashibina
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Workshop Participants:

1. Rusty Brainard (Graduate Affiliate Faculty, University of Hawaii <<participating remotely>>)
2. Andy Estep (Waite Institute)
3. Will Figueira (University of Sydney)
4. Atsushi Fujimura (University of Guam)
5. Jamison Gove (<<participating remotely>>)
6. Melanie McField (Smithsonian Institution)
7. Satoshi Mitarai (OIST)
8. Masako Nakamura (Tokai University)
9. Serge Planes (CRIOBE)
10. James Reimer (University of the Ryukyus)
11. Randi Rotjan (Boston University <<participating remotely>>)
12. Stuart Sandin (SIO / UC San Diego)
13. Jennifer Smith (SIO / UC San Diego <<participating remotely>>)
14. Brian Zgliczynski (SIO / UC San Diego)

Additional Participants:

- Yuichi Nakajima, Angela Ares Pita, Yuna Zayas, Kirk Sato (OIST postdocs)
- Maggi Mars Brisbin, Otis Brunner, Maki Thomas (OIST PhD students)
- Nicole Pedersen, Lindsay Bonito (100 IC core team; SIO / UC San Diego)



Sponsors:

