



המכון הבינאוניברסיטאי
למדעי הים באילת
The Interuniversity
Institute for Marine
Sciences in Eilat

SYMPOSIUM OUTLINE

INTRODUCTION

The Interuniversity Institute for Marine Sciences in Eilat (IUI) started as the Hebrew University's Heinz Steinitz Marine Biology Laboratory, built in 1968 on the beautiful shores of the northern Gulf of Aqaba (Eilat), Red Sea, next to a flourishing coral reef and adjacent to deep oligotrophic sea. Sixteen years later, in 1984, the laboratory was transformed to the present interuniversity institute. Since then it has been operating as a shared center for research and teaching in marine sciences, under supervision by all research universities in Israel.

AIM OF THE SYMPOSIUM

The immense biodiversity and productivity of tropical coral reefs developed over millennia under relatively stable conditions, allowing many life forms to dynamically co-exist. Significant global changes during a very short period (since the industrial revolution) threaten this living veneer and all of the ecological services it provides. At this rate of change, adaptation is almost certainly unlikely. However, can coral reefs acclimate (structurally and functionally) while shifting from one steady state to another? What are the likely responses of coral reef ecosystems to the projected global (ocean warming and acidification) and local (pollution, urbanization, overfishing etc.) change? Sessions will focus on the changes in related surrounding ecosystems on which the functioning of coral reefs depends. Specifically, global changes in the surrounding open waters (oceanography), in the chemical composition of the water (pH, nutrients) and in the physical setting (water column structure, currents, mixing) will be presented "from the point of view" of the coral reef community and the biology of its members (invertebrates and fish).

FORMAT

A 2-day symposium with presentations by foreign and local keynote speakers as well as invited speakers. The symposium will feature a festive dinner commemorating 50 years of scientific activity at the institute.

TENTATIVE SESSIONS AND FOREIGN KEYNOTE SPEAKERS

Coral Reefs and Climate Change

- Prof. Ove Hoegh-Guldberg, the University of Queensland, Brisbane, Australia

Marine Biogeochemistry and Microbial Ecology

- Prof. Bo Barker Jorgensen, Aarhus University, Denmark

Physical Oceanography

- Prof. Stephen Monismith, Stanford University, USA

Ocean Ecology and Sensing Techniques

- Dr. Dionysios Raitsos, Plymouth Marine Laboratory, UK
- Prof. Jules Jaffe, University of California, USA

ORGANIZING COMMITTEE

Prof. Maoz Fine (IUI, Bar Ilan University)

Prof. Amatzia Genin (IUI, The Hebrew University of Jerusalem)

Prof. Hezi Gildor (The Hebrew University of Jerusalem)

Prof. Roi Holzman (IUI, Tel Aviv University)

Prof. Jaap van Rijn, chair (IUI, The Hebrew University of Jerusalem)

REGISTRATION

The call is open to scientists interested in sharing their work on various biological, physical and geochemical aspects of tropical marine ecosystems by means of either an oral presentation or poster. Abstract submission and registration information will be available on our website soon (<http://www.iui-eilat.ac.il/>). A registration fee of ₪350 is required to cover expenses for a conference booklet, lunches and coffee breaks for the conference days. Student participation will be encouraged by providing a reduced registration rate of ₪125. Furthermore, free registration and/or accommodation will be provided for a selected group of students on a competitive basis. Free transportation will be made available from Tel Aviv to Eilat and back (October 23 - 24). The symposium is limited to 200 participants. Deadline for registration and abstract submission: **June 30, 2019**