The observed climate depends crucially on the poleward transport of energy by the oceans and atmosphere. Much progress has been made in understanding the dynamics of energy transport in the atmosphere. But it remains an open question what the key processes are that control the energy transport in the ocean, and it is unclear how ocean and atmosphere energy transports are coupled. The wealth of new data from global observation systems and our improved ability to simulate ocean and atmosphere dynamics numerically put us in a position to resolve these questions.

This three-day conference will bring together oceanographers and atmospheric scientists, with expertise in observations, theory, and modeling, to assess the current state of our understanding of ocean-atmosphere energy transport and outline directions for future research. About one half of the conference will be devoted to invited overview talks, with the rest allocated to contributed talks and posters.

Organizers

Raffaele Ferrari MIT
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