

# CGD SEMINAR



## and 2019 IASC Medal Lecture

DATE: 14 May, 2019

TIME: 11 am – 12 pm

LOCATION: NCAR, 1850 Table Mesa Drive  
Mesa Lab, Main Seminar Room

TITLE: Perspectives on predicting Arctic Sea Ice

SPEAKER: Marika Holland, NCAR

### ABSTRACT:

Arctic sea ice has undergone dramatic retreat during the last 40 years and projections from climate models suggest that this will continue and accelerate into the future. The details of how this will occur, including the interrelationship between anthropogenically forced change and internal variability, are important considerations. Additionally, the long-term changing climate conditions can affect the ability to forecast sea ice on seasonal timescales. Here, I will discuss the climate state dependence of sea ice processes and how this affects predictions of Arctic sea ice on seasonal and multi-decadal timescales. This includes research on multi-decadal changes in sea ice characteristics and the mechanisms driving these changes. The implications of these changing characteristics for the predictability of sea ice on seasonal timescales is also addressed.

Live webcast: <http://ucarconnect.ucar.edu/live>

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