

Curb Climate Change and Adapt to Its Impacts

Wed 27th
May 2020

Challenges for Engineers for a Greener Future
Webinar series

Speaker: Peter Wadhams, Cambridge University & Politecnico di Torino - DIATI

Abstract

This year has featured extreme heat in the Arctic, in fact warmer temperatures than ever before. This is having big impacts on various elements of the climate system, e.g.

1. Retreat of sea ice is accelerating. Could this be first ice-free summer?
2. Loss of ice from Greenland ice sheet is accelerating, causing sea level rise acceleration.
3. Strange things happening to permafrost, e.g. fires re-starting in same locations as last summer, suggesting that fires kept smouldering underground

through winter.

4. Latest news on Arctic ice restoration. The Climate Repair Centre (Cambridge) has identified restoration of Arctic sea ice as a separate goal for climate restoration, as it is so urgent. How can we do it? What methods have been suggested? Would they work? Latest idea on geoengineering.
5. Antarctic warming and its effect on sensitive parts of the Antarctic ice sheet, e.g. Thwaites Glacier. What might happen and what should we do.

Webinar language: 

Hour: 6 p.m. CEST

All the webinars are free of charge and will include a 20-minute presentation and a Q&A session. To attend:
www.diati.polito.it/challengesforengineers



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