

Digital Engineering

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Climate Change: Debunking the myths

Course On-Demand

Instructors

Peter Hollingsworth

Mr. Hollingsworth has more than 30 years of experience in delivering weather-based solutions to the industry. In the last 20 years, his focus has been largely to the energy sector, particularly transmission, distribution, generation and energy trading industries in the USA, the UK, Australia and New Zealand.

Dirk Cannon, Ph.D.

Dr. Cannon finished his doctorate in Meteorology and has experience in machine learning techniques for weather and electrical grid applications. He is the Lead Meteorologist at Digital Engineering.

Agenda

8:30 am Meet & Greet

8:45 am What is climate change

- The effect of climate change on oceans and the atmosphere

Why is climate change happening at an accelerated rate

- Industrial revolution. Growth in population and associated behaviour.
Deforestation of the rain forests

BREAK

10:40 am Why is it important to know what is changing, how much, where and the effect it can have on lives and businesses

- Effect on the ocean food chain. Growth of deserts. Changes in temperature, wind speed, rainfall volumes.
- Melting of the ice caps

What's being done to slow the rise of carbon & other pollutants

- How little we are doing to slow the rise of carbon and other emissions

LUNCH

1:15 pm What if we do nothing

- Potential outcomes & worst-case scenario

How can changes in weather affect my business

- Effects on vegetation management
- Preparations for extreme weather events
- Staffing requirements for severe weather
- Fire risk
- Specialized tower design
- Line rating and related constraints
- Equipment failure
- Effects of pollution
- Weather volatility
- Seasonal changes – length and timing

Can I do anything

- Little things that we can all do individually to reduce our impact

IPCC, Paris Agreement, Kyoto Protocol, Hadley Centre, etc.

- Major agreements & national bodies studying climate change

BREAK

3:30 pm Forecast projections for temperature & sea level

- Temperature range changes at different confidence levels
- Sea level rises in oceans

4:30 pm Closing Remarks

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Contact us

If you'd like to find out more about our ground-breaking technical solutions, on-demand courses, or have a specific issue you would like to discuss with us, please get in touch.

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