SGYRSIAU Glyndŵr TALKS

Public Lecture Series 2022-2023

# Climate Change, Russian Gas, and Energy Bills: A Perfect Storm

## **David Sprake** BEng(hons), CEng, MEI, FHEA, PGCE, Chartered Energy Engineer

19 January 2023, Wrexham Glyndwr University

Drinks reception from 5.30pm

## ABOUT THE LECTURE

This lecture aims to address questions you always wanted to ask and offer insights into possible solutions:

* How did climate change come about?
* Is carbon dioxide really rising; where does it come from and why is it a problem?
* Do we really need to worry about climate change?
* How are UK electricity and heating generated today?
* Are there effective low carbon alternatives and how much will they cost?
* What is holding up progress on climate change?
* What will the consequences of inaction be?
* What did COP 26 achieve?
* What are other countries doing?

## WHO CAN COME ALONG?

## Anyone of any age worried about climate change and interested in how it can be fixed.

## ABOUT THE SPEAKER

David is a Senior Lecturer in Engineering and Programme Leader for Renewable and Sustainable Engineering. He has been thinking, researching, and teaching about climate change and its solutions for 12 years.

"As an engineer, technically there are solutions to climate change right now, the problem in making it happen is a political and financial one"

To book, go to <https://cutt.ly/Sprake>. Contact [researchoffice@glyndwr.ac.uk](mailto:researchoffice@glyndwr.ac.uk) with any queries. Please note, all lectures will be recorded to be made available online, and photographs/video may be taken for marketing purposes.

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# Cyfres Darlithoedd Cyhoeddus 2022-2023

## Newid yn yr Hinsawdd, Nwy Rwsia a Biliau Ynni: Storm Berffaith

## **David Sprake** BEng(hons), CEng, MEI, FHEA, PGCE, Uwch Ddarlithydd ac Arweinydd Rhaglen, Peirianneg Adnewyddadwy a Chynaliadwy

19 Ionawr 2023, Prifysgol Glyndŵr Wrecsam

## Derbyniad diodydd o 17:30.

## **YNGHYLCH Y DDARLITH**

Mae’r ddarlith hon yw ceisio mynd i'r afael â chwestiynau rydych wedi bod eisiau ateb iddynt ers amser, a chynnig cipolwg ar atebion posibl:

* Sut daeth newid yn yr hinsawdd i fod?
* A yw carbon deuocsid yn codi mewn gwirionedd; o ble mae'n dod a pham ei fod yn broblem?
* Oes gwir angen i ni boeni am newid hinsawdd?
* Sut mae trydan a gwres y Deyrnas Unedig yn cael eu cynhyrchu heddiw?
* A oes dewisiadau carbon isel effeithiol a faint fyddan nhw'n ei gostio?
* Beth sy'n atal cynnydd ar newid hinsawdd?
* Beth fydd canlyniadau peidio â gweithredu?
* Beth gyflawnodd COP 26?
* Beth mae gwledydd eraill yn ei wneud?

## **PWY ALL FYNYCHU?**

Unrhyw un o unrhyw oedran sy'n poeni am newid hinsawdd ac sydd â diddordeb mewn sut y gellir ei drwsio.

## **AM Y SIARADWR**

Mae David yn Uwch Ddarlithydd mewn Peirianneg ac yn Arweinydd Rhaglen ar gyfer Peirianneg Adnewyddadwy a Chynaliadwy. Mae wedi bod yn meddwl, ymchwilio, ac addysgu newid hinsawdd a'i atebion ers 12 mlynedd.

*"Fel peiriannydd, yn dechnegol mae yna atebion i newid hinsawdd ar hyn o bryd, mae'r broblem o wneud iddo ddigwydd yn un wleidyddol ac ariannol”*

I archebu, ewch i <https://cutt.ly/Sprake> neu sganiwch y cod QR. Cysylltwch â [researchoffice@glyndwr.ac.uk](mailto:researchoffice@glyndwr.ac.uk) gydag unrhyw ymholiadau. Sylwch, bydd pob darlith yn cael ei recordio i fod ar gael ar-lein, a gellir tynnu lluniau/fideo at ddibenion marchnata.