



The Sustainable Engineering Society

...engineering in harmony with ecology

WA SENG Newsletter

Upcoming events of interest

In these times of social distancing and working from home, webinars, teleconferencing and online learning have become de rigueur and the new norm. In line with this, the WA SENG committee has compiled a list of upcoming events with a sustainability theme that may be of interest to members.



Design for the Future

Webinar by Engineers Australia and SENG

Wednesday, 4 November 2020, 12:00 AWST

Our next event looking at climate change from an engineering perspective will look at the implications for engineering from the perspective of recent climate

We will hear a case study from the Water Corporation of Western Australia outlining the planning and actions taken over recent decades to adapt to changing climate conditions in terms of water, wastewater and drainage.

The session will be interactive and include a series of polls to ask the audience's thoughts. Following the presentations will be a 30 minute discussion of the polling results to help us understand the needs of engineers in responding to issues of climate change.

When designing for the future, the following four engineering strategies will be relevant to deciding responses to climate change in Australia over the next 60 to 80 years:

- Regeneration - of the environment, society and the economy
- Mitigation – of greenhouse gases
- Adaptation – to changing conditions; and
- Abandonment – of land areas, either deliberate or forced

Registration: <https://www.engineersaustralia.org.au/event/2020/10/design-future-33851>



Expanding Reuse Opportunities for Recycled Construction and Demolition Materials

Webinar by Engineers Australia (organised by WA-SENG)

Thursday, 12 November 2020, 12:00 AWST

This presentation will cover the key findings and recommendations on

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- Research and survey results
- Current state of C&D recycling in WA
- Potential uses for recycled materials
- Information on what materials are available
- Successful case studies of recycling in WA
- Properties of recycled materials and testing requirements
- Waste Authority action plans.

Registration: <https://www.engineersaustralia.org.au/event/2020/10/expanding-reuse-opportunities-recycled-construction-and-demolition-materials-34046>

AIE WEBINAR
How energy companies are managing climate risk

AN AIE PERTH ZOOM WEBINAR EVENT

Our Panel includes:

Tom Ridsdill-Smith
Senior Vice
President Climate,
Woodside

Kiera Poustie
General Manager,
Corporate Strategy,
Jemena

Theo Comino
Manager of
Carbon Analysis &
Reporting, AGL

Thursday, 19 November 2020
10:30am AWST / 1:30pm AEDT

AIE Members: **FREE**
Non-Members: **\$10***
* Plus Booking Fees

How energy companies are managing climate risk

Webinar by the Australian Institute of Energy - Perth

Thursday, November 19, 2020, 10:30 AWST

AIE Perth is offering a 1-hour webinar on the way in which three Australian energy companies are managing the transitional and physical risks associated with climate change. Moderated by AIE Perth's Lisa Sharp, Manager, GTE Governance & Oversight at WA's Department of Treasury, the webinar will hear from Tom Ridsdill-Smith, SVP Climate at Woodside; Kiera Poustie, GM Corporate Strategy at Jemena; and Theo Comino, Manager, Carbon Analysis & Reporting at AGL.

Registration: <https://www.aie.org.au/events/event/aie-perth-how-energy-companies-are-managing-climate-risk>

TEDxPerth Countdown: WA Climate Leadership Summit

Event by TEDxPerth

Wednesday, 25 November 2020, 12:30 AWST

State Reception Centre, Kings Park

TEDxPerth aims to stimulate new action by bringing together ambitious, future-focused people from every field, including business, government, finance, campaigning and research.

This carbon neutral event is part of TED's global Countdown initiative, championing and accelerating solutions to the climate crisis. Across our planet, Countdown aims to build a better future by halving global greenhouse gas emissions by 2030 in the race to a zero-carbon world – a world that is safer, cleaner and fairer for everyone.

More info and application to attend: <https://www.tedxperth.org/tedxperth-countdown-wa-climate-leadership-summit>



Energy Thought Leaders Series: New Energy Systems - Adapting to Opportunities and Challenges

Webinar by Engineers Australia

Thursday, 19 November 2020, 14:00 AWST

monitoring and management of power flow are becoming an indispensable part of power grids.

These changes bring opportunities to be leveraged and new challenges that need to be addressed. Engineers are looking for new skills to manage these energy systems and educational and research programs developed to match.

In this webinar Audrey Zibelman, CEO (AEMO) and Alistair Parker, Executive GM (AusNet Services) will discuss the evolving energy environment in Australia and around the globe. They will explore utilising technologies to effectively tap into unused renewable energy, how to successfully integrate community microgrids and present options for increased productivity and effective grid management

They will also highlight the need for adoption and implementation of research and development education programs to produce a skilled workforce for the power and energy industry of the future.

Key Themes

- Future energy opportunities and challenges to help Australia meet its Renewable Energy target
- Virtual power plants and successful integration of community microgrids
- Utilising energy storage from renewable energy sources
- Adaptation of research and education to the requirements of future energy systems

Registration: <https://www.engineersaustralia.org.au/event/2020/10/energy-thought-leaders-series-new-energy-systems-adapting-opportunities-and-challenges>

News

Submissions open for WasteSorted Grants

WasteSorted Grants – e-waste 2020–21 is a WA State Government initiative funded by the New Industries Fund (NIF) and administered by the Department of Jobs, Tourism, Science and Innovation in partnership with the Department of

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Water and Environmental Regulation.

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As reliance on technology increases, e-waste is one of the fastest growing waste streams. e-waste 2020–21 aims to both increase the volume of e-waste being recycled in WA, as well as grow the local recycling industry through innovative processing and increased collection.

More information: <https://www.wasteauthority.wa.gov.au/programs/view/wsg-e-waste-202021>

Revegetation project to protect groundwater and create birdlife habitat

In order to protect vital groundwater resources, more than 5,600 native seedlings are being planted across a 28-hectare site in Pinjar that was previously a pine plantation.

The WA Water Minister and Environment Minister announced that areas of a former pine plantation in Perth's north will be rehabilitated as habitat for the endangered Carnaby's cockatoo under a partnership between the Water Corporation and the Department of Biodiversity, Conservation and Attractions (DBCA).

In addition to promoting and protecting recharge to the Gngangara Groundwater System, which provides about 40 per cent of Perth's drinking water to the metropolitan area, the native vegetation will also provide valuable habitat for native wildlife.

This project contributes toward the wider DBCA program to utilise opportunities to create and manage habitat for native wildlife, including foraging and roosting habitat for the endangered Carnaby's cockatoo, in the former pine plantation and bushland areas of Gngangara State forest.

Media statement: <https://www.watercorporation.com.au/About-us/Media-releases/2020/October-2020/Revegetation-project-to-protect-groundwater-and-create-birdlife-habitat>



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