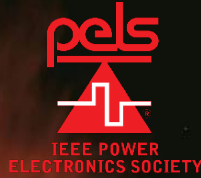


Presented by



Hosted by



THE UNIVERSITY OF  
**AUCKLAND**  
Te Whare Wānanga o Tamaki Makaurau  
NEW ZEALAND

# eGRID 2022

November 29<sup>th</sup> to December 2<sup>nd</sup> 2022  
Auckland  
New Zealand

- Sponsor and Exhibitor information**  
**eGrid 2022**

***“Future Electricity Architecture  
to Enable Zero-Carbon Economy”***

**Auckland, New Zealand,  
29<sup>th</sup> Nov to 2<sup>nd</sup> Dec 2022**



# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## About eGrid 2022

The 7th IEEE Workshop on the Electronic Grid (eGrid 2022) will be held on 29 Nov - 2 Dec, 2022 in Auckland, New Zealand. This workshop is jointly sponsored by IEEE Power Electronics Society (PELS) and IEEE Power & Energy Society (PES). With the increasing applications of power electronics in the power grid, these two independent domains of power engineering are increasingly being integrated more closely. eGrid provides an international forum for academics and industry in the field of electronic grid to exchange information on their latest research ideas, progresses, developments, experiences, achievements, state-of-art technical trends, and applications.

## New Zealand's Future Electricity Architecture to Enable Zero-Carbon Transitions

High penetration of DC transmission and distribution (conveyance) into the AC grid will provide many benefits to transition to a low-carbon power system.

The major research challenge is to determine the future architecture, topology and a transition pathway, which this workshop aims to achieve through discussion with global industry participants and research and academic organisations.

### Highlights

Green Energy Technologies

The future workforce to support deeper renewable electrification

Innovations and start-ups to support AC/DC Hybrid Grid end-to-end operation

Technical challenges for addressing planning, operation of and maintaining the Hybrid grid

**Email us**

[egrid2022@gmail.com](mailto:egrid2022@gmail.com)

<https://egrid2022.com/>



# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## Local organising committee



**Nirmal Nair**  
General Chair



**Kate Murphy**  
General Co-Chair



**Waqar Qureshi**  
Industry Chair



**Nyuk-Min Vong**  
Industry Co-Chair



**Tek Tjing Lie**  
Technical Chair  
Finance Chair



**Ramesh Rayudu**  
Technical Co-Chair



**Andrew Laphorn**  
Student Activities  
Chair



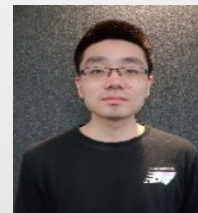
**Seho Kim**  
Student Activities Co-  
Chair



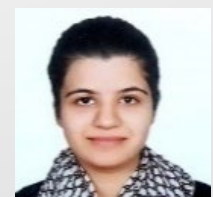
**Rizki Rahayani**  
Social Activities Chair



**Abhinav Rakesh  
Chopra**  
Young Professionals  
Activities Chair

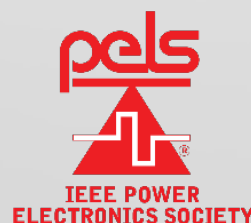


**Xin Liu**  
Creative Head  
Social Activities Co-  
Chair



**Lakshita Lakshita**  
Women in Engineering  
Activities Chair

## Supporters







# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **Sponsorship opportunities**

We are looking forward to an enjoyable and meaningful event for our participants while aligning your sponsorship message with their experience of a successful event. Market your brand and associate it with the electrical power system industry’s practitioners and leading edge technology and solutions using the following options for sponsorship:

PLATINUM SPONSOR

GOLD SPONSOR

SILVER SPONSOR

Conference Welcome Evening

Thursday Night Conference Dinner

Panels

Booth



# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **PLATINUM SPONSOR**

Your Investment Entitles You To:

- Premium Sponsor for all the events at the eGrid 2022
- Platinum Sponsor recognition and company logo displayed on all marketing materials, hard copy and electronic, prior to and during the conference
- Sole Sponsor of the Networking joint Dinner function
- Full conference registration for four (4) staff which includes Conference Banquet.
- Corporate signage displayed during the Conference Banquet.
- Opportunity to have 2 freestanding pull up banners – one either side of the stage in main plenary room for the duration of the event
- Company logo and weblink on the official conference website
- Official verbal acknowledgement of Platinum Sponsor at opening and closing of conference.
- Max of two inserts into conference satchel (subject to delivery deadlines)

Package: \$ 15,000 excluding GST

*All company signage/banners must be supplied by the sponsor and approved by organising committee*





# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **GOLD SPONSOR**

Your Investment Entitles You To:

- Gold Sponsor recognition and company logo displayed on all marketing materials, hard copy and electronic, prior to and during the conference
- Company logo and weblink on the official conference website
- Official verbal acknowledgement of Gold Sponsor at conference opening for that day
- Full Conference Registration for three (3) staff which includes the Conference Dinner function
- 1 insert into conference satchel
- Company pull up (standard size) banner can be displayed in main Plenary room for the duration of the event

Package : \$ 9,500 excluding GST

*All company signage/banners must be supplied by the sponsor and approved by organising committee*



# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **SILVER SPONSOR**

Your Investment Entitles You To:

- Silver Sponsor recognition and company logo displayed on all marketing materials, hard copy and electronic, prior to and during the conference
- Company logo and weblink on the official conference website
- Official verbal acknowledgement of Silver Sponsor at conference
- One Exhibition Trade Booth
- Full Conference Registration for two (2) staff which includes the Networking Dinner
- function
- 1 insert into conference satchel

Package : \$ 7,000 excluding GST

*All company signage/banners must be supplied by the sponsor and approved by organising committee*





# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **Conference Welcome Evening**

This sponsorship opportunity is ideal for organizations seeking prominent positioning at the conference.

Your Investment Entitles You To:

- Exclusive naming rights to the event for example “XXX Welcome Evening”
- An opportunity to speak at the welcome event
- Company logo displayed on all marketing materials, hard copy and electronic, prior to and during the conference
- Company logo and weblink on the official conference website
- Official verbal acknowledgement of Welcome Event Sponsor at all the opportunities wherever possible
- Two complimentary tickets to attend the welcome evening.
- Full Conference Registration for two (2) staff including complimentary ticket to attend Conference Dinner on Wednesday night.
- 1 insert into conference satchel

Package : \$ 7,000 excluding GST

*All company signage/banners must be supplied by the sponsor and approved by organising committee*





# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **Thursday Night Conference Dinner**

This sponsorship opportunity is ideal for organizations seeking prominent positioning at the conference.

Your Investment Entitles You To:

- Exclusive naming rights to the event for example “XXX Conference Dinner”
- An opportunity to speak during Conference Dinner
- Company logo displayed on all marketing materials, hard copy and electronic, prior to and during the conference
- Company logo and weblink on the official conference website
- Official verbal acknowledgement of Conference Dinner Sponsor at all the opportunities wherever possible
- Two complimentary tickets to attend the Conference Dinner.
- Full Conference Registration for two (2) staff including opportunity to attend conference welcome evening.
- 1 insert into conference satchel

Package : \$ 5,000 excluding GST

*All company signage/banners must be supplied by the sponsor and approved by organising committee*



# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **Panel**

This sponsorship opportunity is ideal for organizations seeking prominent positioning at a specific panel session.

#### **Available Panels:**

- Global Perspective on Utility of the Future
- Future Grid Digitisation and Optimisation
- Future Workforce
- Start Ups & Innovations - connecting Entrepreneurs with Policy makers
- Role of Grid-forming Inverters in the Future Power Systems
- Technical Challenges for addressing planning, operation of and maintaining the national grid
- Energy Transition, Climate Action, Energy Policy & Modelling
- Industry Experiences shared by Women in Engineering & Young Professional Engineers
- Resource Adequacy Lessons Learned and Future Requirements in a Decarbonized Future

#### **Your Investment Entitles You To:**

- Exclusive naming rights to the panel for example “... Panel supported by XXX”
- An opportunity to speak during Panel
- Company logo displayed on all marketing materials, hard copy and electronic, prior to and during the conference
- Company logo and weblink on the official conference website
- Official verbal acknowledgement of Panel Sponsor at all the opportunities wherever possible

Package : \$ 2,000 excluding GST

*All company signage/banners must be supplied by the sponsor and approved by organising committee*





# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **Booth**

This sponsorship opportunity is ideal for organizations seeking to promote their products services to conference attendees

Your Investment Entitles You To:

- Space at the conference to set up a booth / trade stand for the four days of the conference
- 1 insert into conference satchel
- Company logo and weblink on the official conference website
- Full Conference Registration for one (1) staff including complimentary ticket to attend Conference Dinner on Wednesday night.

Package : \$ 2,500 excluding GST

*All company signage/banners must be supplied by the sponsor and approved by organising committee*





# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

### **City and Venue:**

As New Zealand's largest city, Auckland is the country's financial and economic powerhouse, and the gateway to the rest of the country. The modern city centre is surrounded by sparkling harbours, native forest, beautiful beaches and scenic wine regions. Auckland is a thriving high-tech hub of the Asia-Pacific region, home to more than 20,000 innovation-based companies. Auckland Convention Bureau can access experts across business, industry, tertiary and research institutions, making the city the perfect choice for international delegates to connect and collaborate..



**Email us**

[egrid2022@gmail.com](mailto:egrid2022@gmail.com)





# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

**Tuesday 28<sup>th</sup> November**

Programme	
Morning	<b>Sponsored Workshop:</b> Technology Megatrend on Machine Learning Application to Seismic Sciences ( <a href="#">QuakeCore Harnessing Disruptive Technologies for Seismic Resilience Theme</a> )
13:00 – 16:00	<b>Substation Visits and Tutorial</b> on “Immittance and Frequency Response of Inverter-Based Resources”
16:00 – 18:00	<b>Trade Exhibit Opening and Panel</b> on Start Ups & Innovations - connecting Entrepreneurs with Policy makers



# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

**Wednesday 30<sup>th</sup> November**

Programme	
09:00 – 09:30	Coffee & Networking
09:30 – 10:15	Opening & Keynote
10:15 – 12:00	Panel (105min) <b>Global Perspective on Utility of the Future</b>
12:00 – 13:00	Lunch
13:00 – 14:30	Panel (90min) <b>Future Grid Digitisation and Optimisation</b>
14:30 – 14:45	Break
14:45 – 16:30	Panel (75min) <b>Future Workforce</b>
16:30 – 16:45	Break
16:45 – 18:15	Panel (90min) <b>Industry Experiences shared by Women in Engineering &amp; Young Professional Engineers</b>
18:15 – 19:30	Welcome Cocktail and Poster Session





# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

**Thursday 1<sup>st</sup> December**

Programme	
09:00 – 09:30	Coffee & Networking
09:30 – 10:15	Keynote
10:15 – 12:00	Panel (105min) <b>Role of Grid-forming Inverters in the Future Power Systems</b>
12:00 – 13:00	Lunch
13:00 – 14:30	Panel (90min) <b>Technical Challenges for addressing planning, operation of and maintaining the national grid</b>
14:30 – 14:45	Break
14:45 – 16:30	Panel (75min) <b>Energy Transition, Climate Action, Energy Policy &amp; Modelling</b>
16:30 – 18:30	Networking alongside Trade-Exhibit and Poster Session of previous Days
18:30 – 20:00	eGRID 2022 Banquet

# eGrid 2022

*Future Electricity Architecture to Enable  
Zero-Carbon Economy*



**Auckland, New Zealand, 29th Nov to 2nd Dec 2022**

## ***“Future Electricity Architecture to Enable Zero-Carbon Economy”***

**Friday 2<sup>nd</sup> December**

Programme			
08:00 – 08:30	Coffee and Networking		
08:30 – 10:00	Sponsored Panel (90min) <b>Modelling the Hybrid AC-DC Grid</b>	Paper Presentation Session 1	Paper Presentation Session 2
10:00 – 10:15	Break		
10:15 – 12:00	Sponsored Panel (105min) <b>Topologies and Protection for Hybrid AC-DC Grid</b>	Paper Presentation Session 3	Paper Presentation Session 4
12:00 – 13:00	Lunch		
13:00 – 14:30	Sponsored Panel (90min) <b>Enabling Technologies for Hybrid AC-DC Grid</b>	Paper Presentation Session 5	Paper Presentation Session 6
14:30 – 15:00	Closing and Awards		