

**Vale Ariel Liebman**

**1968-2023**





2019  
GREEN ENERGY  
CONFERENCE



9 - Green Chemical Futures  
ember 2019 - New Horizons





# GRADUATE SCHOOL OF HASANUDDIN UNIVERSITY

## The 2<sup>nd</sup> International Conference on Global Issue for Infrastructure, Environment, and Socio-Economic Development

### Tema :

“Sustaining The Earth and The People Through Renewable Energy, Green Environment, Sustainable Agriculture, and Socio-Economic Inclusion”

#### KEYNOTE SPEAKER



Assoc. Professor Ariel Liebman, Ph.D  
Monash University

#### INVITED SPEAKER



# 2019 GIESED

#### Date

Wednesday,  
September 11<sup>th</sup>, 2019

#### Venue

Four Points by Sheraton Hotel,  
Makassar



Dr. Dimas B.E. Dharmawijoyo  
Universiti Teknologi  
Petrolina Malaysia



Mr. Thijs Sablerolle  
Development Director Asia Power  
Development & Strategy



All accepted and present paper will be included in the conference proceeding (ICG Series)

Supported by Public Management Center (PMC)





Fraunhofer

RWTH AACHEN  
UNIVERSITY

# Fraunhofer-Zentrum Digital Energie

Interdisziplinäre Exzellenz aus dem Rhein-Ruhr-Raum, die den Weg zur Digitalisierung kritischer Energieversorgungsstrukturen ebnet.



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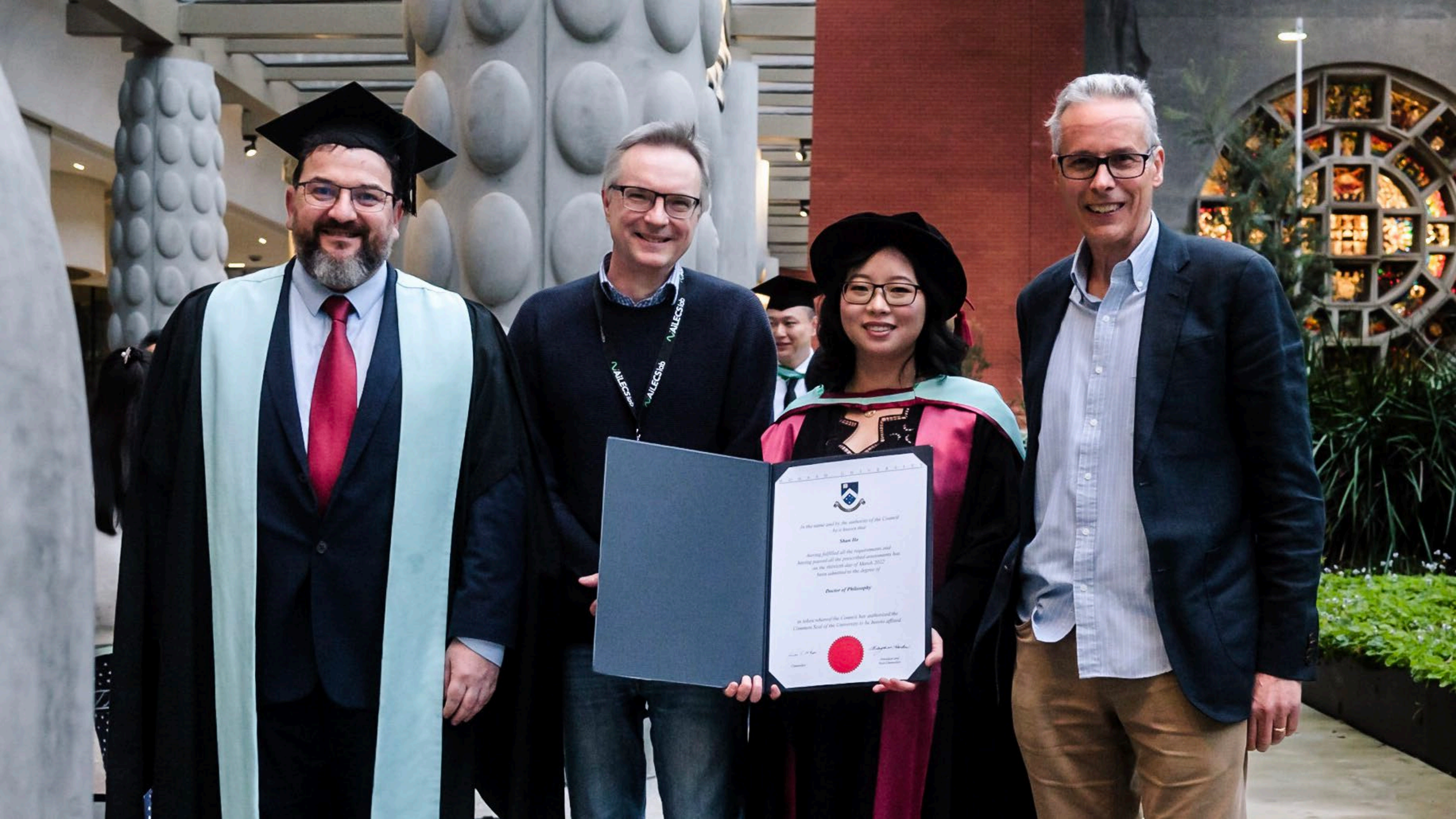
**Ariel Liebman**

■ **MONASH ENERGY INSTITUTE  
DIRECTOR**

**AUSTRALIA IMPOSE DOMESTIC ENERGY PRICE CAP**







UNIVERSITY OF SHEFFIELD

In the name and by the authority of the Council  
of the University of Sheffield

**Shan He**

having fulfilled all the requirements and  
having passed all the prescribed examinations has  
on the 16th day of March 2022  
been admitted to the degree of

**Doctor of Philosophy**

in which subject the Council has authorized the  
Common Seal of the University to be here affixed

*[Signature]* *[Signature]*

*[Red Seal]*

# Demand Manager

Keep the Lights on at a Lower Cost

Shan Dora He ([shan.he@monash.edu](mailto:shan.he@monash.edu))  
Mark Wallace, Ariel Liebman and Campbell Wilson

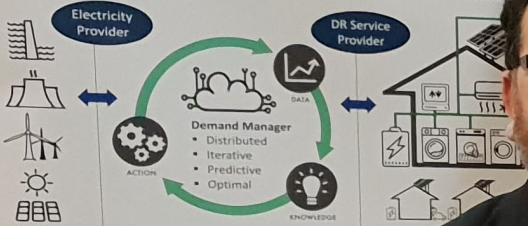


## Demand Manager

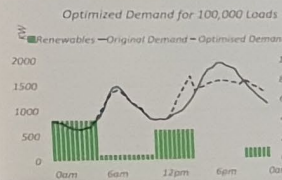
A software tool that will enable millions of household appliances to choose when to turn on and off to best utilise renewable energies (wind or solar power) and batteries, while keeping the costs down for both consumers and suppliers.

## Features and Applications

- ✓ Real-time analysis and decision making
- ✓ Reduce costs and peak demands
- ✓ Maintain consumer comfort
- ✓ Mitigate fluctuations in renewable energies
- ✓ Participate in frequency control
- ✓ Participate in the wholesale market



## 20% Peak Reduction



Seek: employment, collaboration or project

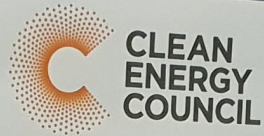


The Australian Institute of Energy  
Melbourne Branch

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Energy Materials and Systems Institute





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# FACULTY OF ENGINEERING HASANUDDIN UNIVERSITY





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2017

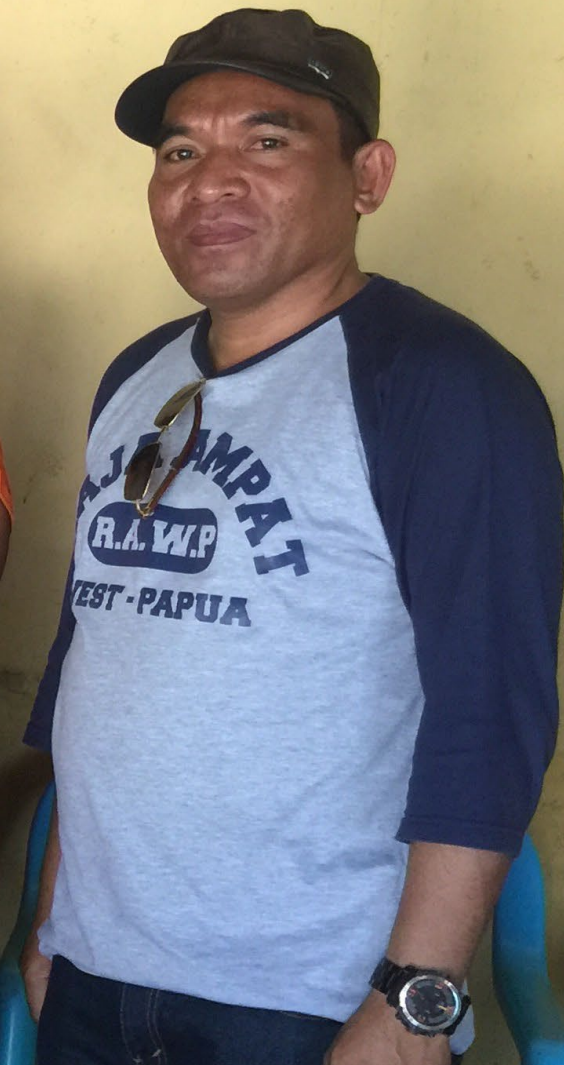
B. PANCE

ARSA

DOKU

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