



**MACQUARIE**  
University

## **MQ Photonics Research Centre Seminar**

**Wednesday, 3 November 2021, 2:00 pm (Sydney time)**

**(Zoom link: <https://macquarie.zoom.us/j/85829287435>)**

**Energy and career pathways - one academic's perspective on career, pathways, the energy transition and return to university after 20 years in industry**

**Renate Egan**

**Faculty of Engineering, UNSW, Australia**



### **Abstract:**

Australia and the world are on a path to accelerating change to a low emissions future that will see a technology revolution in energy delivery and consumption. There is an enormous amount of science, engineering, and innovation needed to deliver this change, as well as of the diverse employment opportunities. In this seminar, I will talk about my pathway from a PhD in Physics at Macquarie University, postdoctoral fellowships, industry, and international opportunities that have brought me back to academia, how I see technology and innovation contributing to a zero-emission future and, how I think it will happen faster than some leading decision makers expect. As world leaders gather in Glasgow to accelerate action towards Climate Change goals, Australian businesses, industry groups, states and local government are making firm commitments to reduced emissions, many setting targets to a 50% reduction in emissions.

### **Speaker biography:**

Professor Renate Egan leads the UNSW activity in the Australian Centre for Advanced Photovoltaics. Recently described as one of Eight Great Women in the Business of Science and Solar by Renewable Energy World, she has led manufacturing and industrial technology development of energy technologies in Australia, Germany, and China. As an innovator, entrepreneur and academic, Renate is passionate about using her skills to increase the uptake of solar and accelerate the energy transition. Renate is also Co-Founder of Solar Analytics, Australia's largest independent energy monitoring provider. In earlier roles, as Director and CTO of CSG Solar AG and Managing Director of Suntech R & D Australia Pty Ltd. With expertise across industry, manufacturing, and small business, government, university, and not-for-profits, Renate now participates on several national and international panels, boards and review committees across the energy sector. Renate represents Australia on the Executive Committee of the IEA PV Power Systems program.

