

Energy Networks Australia's Program Development Committee (PDC) invites you to submit an abstract for consideration for a concurrent session or poster presentation at Energy Networks Conference + Exhibition 2020 in Brisbane, 2-4 June.

The themes highlight key issues the network sector faces as Australia transitions to a sustainable energy future. The PDC aims to create a program that deals with current challenges but also looks into the future to see how the sector may continue to evolve and change.

Final concurrent session topics and program structure will be informed by the nature and quality of abstracts received.

The PDC is seeking presentations that address new research and insights; case studies, pilots and project results and excellence in technology and service delivery. Those abstracts that are predominantly commercial demonstrations must be able to provide an innovative insight, outcome, technology or service. We encourage abstracts from specialists from across the supply chain and its disciplines and from those with expertise to represent the diversity of interests in the sector.

Please indicate in your abstract submission the related theme or area of interest. You are encouraged to include a video link or file of previous presentations in the abstract submission, however this is not essential.

Theme 1 Customer driven change

- » The role of customers in setting the strategic direction for the network sector
- » Effective customer and community engagement beyond regulatory proposals
- » Customer data and insights leading network design, composition and service offering
- » Customer-centricity - creating outside-in solutions / co-designed solutions
- » Best practice engagement in core infrastructure activity (social licence)
- » Helping customers understand their energy usage

Theme 2 Future market design

- » How does regulation keep pace with changing market conditions, customer preferences and technology changes
- » The current monopoly framework and centralised design - is it working?
- » Can customers and industry collaborate to unlock mutually effective and efficient future regulation?
- » Investability / an 'investable' transition
- » National security of critical infrastructure
- » What happens to network costs as electricity and gas demand reduces?
- » ESB post-2025 - do we want a service market?
- » The role of transmission and greater interconnection
- » The role of gas in the supply / demand balance
- » Managing system strength
- » Lessons from other jurisdictions on regulating a system in transition

Theme 3 The evolving role of networks

- » Managing the integration of solar and storage to maximise customer value
- » Understanding and responding to customer adoption and usage intentions for EV, battery and solar
- » The value of transmission in supporting the energy transformation
- » Maintaining system security in an evolving grid
- » Peer-to-peer trading and other solutions involving groups of customers acting together, independent from networks
- » The rise of the prosumer - individual households and collections of prosumers seeking scale and new opportunities
- » Fringe of grid - stand-alone power system, microgrids
- » Safety
- » Skills gaps

Theme 4 Our data driven future

- » Data as a tool for customers to manage energy in their home
- » The vital nature of data in an increasingly distributed energy world
- » Customer insights and driving business value from data
- » Unlocking data for customer benefit - what is needed for efficient system operation
- » Data protection / privacy

Theme 5 The future is coming

- » EVs and the transport sector (including fuel-cell vehicles) - threats and opportunities, is the end of the internal combustion engine vehicle nigh?
- » Energy storage to complement intermittent renewable generation
- » Hydrogen - transporting energy through time and space
- » Innovative pilot projects and trials / research projects

