



APSSS 2020 Program

10-13 February 2020
The University of Adelaide
North Terrace Campus
Adelaide, South Australia



Breakfast
8:10 AM – 8:40 AM

Light breakfast will be served in the Lower Napier foyer area.



Opening
8:40 AM – 9:00 AM

Dr Ali Pourmousavi Kani opens the first APSSS, share information about the school program, and housekeeping rules.



Keynote Speech
9:00 AM – 11:00 AM

Professor Ian Hiskens will deliver the keynote speech on the past, present, and future of AI in the power systems and smart grids.



Neural Network & Deep Learning 1
11:10 AM – 12:00 PM

Associate Professor Spyros Chatzivasileiadis teaches the application of artificial neural networks and deep learning in power systems operation.



Lunch and poster display
12:00 PM – 1:30 PM

Lunch and poster display will be held in the Lower Napier foyer.



Neural Network & Deep Learning 2
1:30 PM – 2:20 PM

Associate Professor Spyros Chatzivasileiadis teaches the application of artificial neural networks and deep learning in power systems operation.



Neural Network & Deep Learning 3
2:30 PM – 3:20 PM

Associate Professor Spyros Chatzivasileiadis teaches the application of artificial neural networks and deep learning in power systems operation.



Afternoon Tea and Coffee
3:20 PM – 3:50 PM

Afternoon tea and coffee will be served in the foyer area.



Neural Network & Deep Learning 4
3:50 PM – 4:40 PM

Associate Professor Spyros Chatzivasileiadis teaches the application of artificial neural networks and deep learning in power systems operation.



Welcome Dinner
7:00 PM – 9:30 PM

We will have a cocktail dinner at the beautiful **Ayers House**. Read more about the venue <http://ayershouse.com.au/>.



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Breakfast
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Markov Models and Bayesian Network 1
9:00 AM – 9:50 AM

Professor Anna Scaglione teaches Markov models and Bayesian network and their application in power system engineering.



Markov Models and Bayesian Network 2
10:00 AM – 10:50 AM

Professor Anna Scaglione teaches Markov models and Bayesian network and their application in power system engineering.



Markov Models and Bayesian Network 3
11:00 AM – 12:00 PM

Professor Anna Scaglione teaches Markov models and Bayesian network and their application in power system engineering.



Lunch and poster display
12:00 PM – 1:30 PM

Lunch and poster display will be held in the Lower Napier foyer.



Markov Models and Bayesian Network 4
1:30 PM – 2:20 PM

Professor Anna Scaglione teaches Markov models and Bayesian network and their application in power system engineering.



Reinforcement Learning 1
2:30 PM – 3:20 PM

Assist. Professor Zoltan Nagy teaches model-free reinforcement learning and its application in demand response and smart grids.



Afternoon Tea and Coffee
3:20 PM – 3:50 PM

Afternoon tea and coffee will be served in the foyer area.



Reinforcement Learning 2
3:50 PM – 4:40 PM

Assist. Professor Zoltan Nagy teaches model-free reinforcement learning and its application in demand response and smart grids.



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Reinforcement Learning 3
9:00 AM – 9:50 AM

Assist. Professor Zoltan Nagy teaches model-free reinforcement learning and its application in demand response and smart grids.



Reinforcement Learning 4
10:00 AM – 10:50 AM

Assist. Professor Zoltan Nagy teaches model-free reinforcement learning and its application in demand response and smart grids.



Reinforcement Learning 5
11:00 AM – 12:00 PM

Assist. Professor Zoltan Nagy teaches model-free reinforcement learning and its application in demand response and smart grids.



Lunch
12:00 PM – 12:50 PM

Lunch will be served in the Lower Napier foyer area. No poster display is scheduled on day 3.



Winery Tour
1:00 PM – 6:00 PM

Visiting three wineries with sample tasting in scenic **McLaren Vale**.



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Breakfast
8:30 AM – 9:00 AM

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Clustering Methods 1
9:00 AM – 9:50 AM

Senior Lecturer Archie Chapman teaches clustering methods and their application in power systems and smart grids.



Clustering Methods 2
10:00 AM – 10:50 AM

Senior Lecturer Archie Chapman teaches clustering methods and their application in power systems and smart grids.



Classification Techniques 1
11:00 AM – 12:00 PM

Senior Lecturer Archie Chapman teaches classification methods and their application in power systems and smart grids.



Lunch and poster display
12:00 PM – 1:00 PM

Lunch and poster display will be held in the Lower Napier foyer.



Classification Techniques 2
1:00 PM – 1:50 PM

Senior Lecturer Archie Chapman teaches classification methods and their application in power systems and smart grids.



SA Power Networks Workshop 1
2:00 PM – 2:50 PM

SA Power Networks will run a workshop to explore AI-based solutions for real-world challenges that SAPN is faced.



Afternoon Tea and Coffee
2:50 PM – 3:10 PM

Afternoon tea and coffee will be served in the foyer area.



SA Power Networks Workshop 2
3:10 PM – 4:30 PM

SA Power Networks will run a workshop to explore AI-based solutions for real-world challenges that SAPN is faced.



Wrap up
4:30 PM – 4:40 PM

Dr Ali Pourmousavi Kani closes the APSSS 2020.