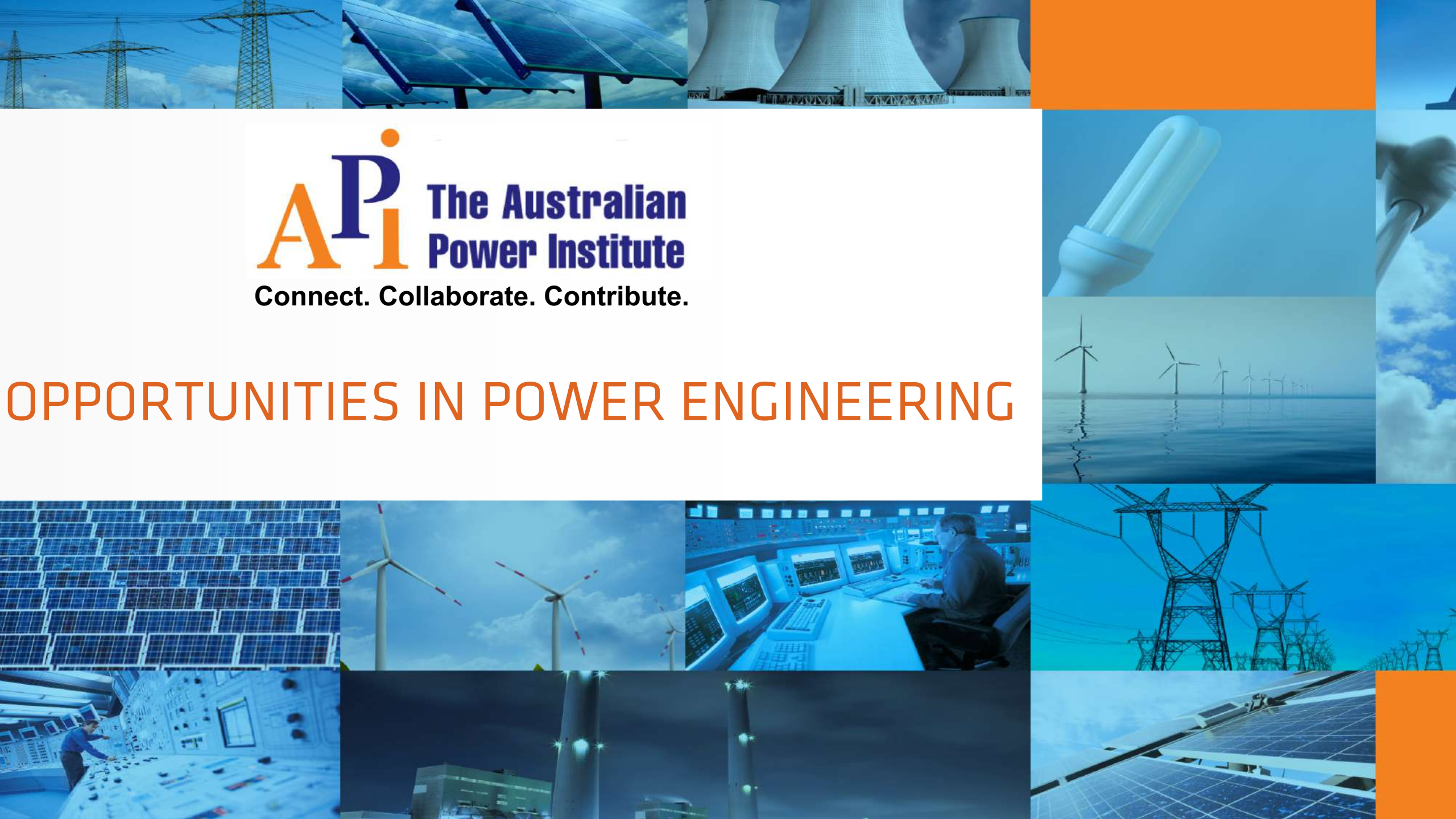




OPPORTUNITIES IN POWER ENGINEERING





POWER ENGINEERS: WHY DO WE NEED THEM?

When the disaster strikes!

....and all of the time to meet our needs for essential energy



BIG CHALLENGES & GREAT OPPORTUNITIES

- Significant change in electrical infrastructure and make up of industry with increasing penetration of renewables
- Wide range of technologies being implemented
- Attractive starting salaries
- Many power engineers nearing retirement

THE ENERGY INDUSTRY IS GOING THROUGH THE GREATEST TRANSFORMATION SINCE ELECTRICITY WAS FIRST INVENTED OVER 100 YEARS AGO.



OPPORTUNITIES IN POWER ENGINEERING

- Manufacturing/Processing
- Consulting/Engineering Services
- Generation
- Renewables
- Transmission
- Distribution



HOW DO YOU FIT IN?

Do you want to make a difference?

- taking up climate change challenges
- addressing technological challenges
- renewables
- energy efficiency
- providing essential service to community
- raising living standards & tackling poverty?

Do you expect to:

- have ongoing opportunities for professional & personal development?
- travel around Australia and overseas?
- enjoy good work-life balance?



HOW DO YOU FIT IN?

Do you have interest in the following:

- Planning & analysis of engineering systems
- Computing, data science and control systems
- Network communications
- Electrical design
- Renewables implementation and integration
- Implementation & management of complex systems



CAREER PATH AS AN ENGINEER

- Graduate development program
- Technical specialist/consultant
- Manager
- Executive/Chief Executive



CAREER OPPORTUNITIES IN POWER ENGINEERING

Power Engineering Roles in

- system analysis & planning
- research & development
- design & procurement
- project implementation & management
- testing & commissioning
- design and installation of renewable generation
- integration of renewables into existing energy systems
- asset management
- plant & system operation
- maintenance management
- market operation & management



2018 POWER INDUSTRY BURSARIES



NATIONAL POWER ENGINEERING BURSARY PROGRAM

YOU

- **1st year engineering (majority)** and some 2nd & 3rd year
- Electrical (majority)
- Renewable Technologies
- Mechanical mechatronics or info mechatronics

US

- Wide variety of power industry sponsors (Utilities & Renewables)
- A diverse industry with ample challenges
- Industry focused on YOUR development

Bursary

- National program via API



NATIONAL POWER ENGINEERING BURSARY PROGRAM

What's in it for YOU?

1. \$\$\$\$ - \$4,000 payment over 4 years
 - Starting in Year 1 = NOW!
 - No strings attached
 - 25 bursaries available in 2018 in Australia
2. Vacation employment
 - Opportunity to learn about future job opportunities & challenges
 - May be required to travel or relocate away from home to undertake paid vacation work
3. Industry networking and thesis/project assistance
 - Mentoring program with CIGRE Next Generation Network (NGN) recent graduates



NATIONAL POWER ENGINEERING BURSARY PROGRAM

Find out more by reading the student comments and bursary newsletters on the API website.

<http://api.edu.au/about/achievements/>





API BURSARY STUDENT COMMENTS

“I really found great value as the API provided a well coordinated program for allocating sponsor companies and bursary students together for a least one guaranteed vacation work placement - saves students a lot of trouble and worry”

“Through out the API program, I learnt an incredible amount about the workforce, the practicalities of engineering design/implementation and so much more that I will never forget. I also gained confidence and matured as an individual in the workforce a lot more than other students by doing so. ”

“The API provides framework to introduce students to the power industry, present them with opportunities to gain first hand experience and to help better inform future career decisions. I consider myself very fortunate to have been apart of this program as I recognise that I would not be this far ahead in my career without it. ”





YOU CAN TAKE PART NOW!

To apply for the API Bursary:

1. Visit: www.api.edu.au
2. Click "API Bursary" in "University Students" tab
3. Click apply online
4. Submit online form

**Closing date for applications:
WEDNESDAY 20 June 2018**

For more details about careers in power industry: www.powerengineering.org.au

The screenshot shows the API website interface. At the top left is the API logo (The Australian Power Institute). A navigation menu includes: HOME, ABOUT US, PROFESSIONAL DEVELOPEMENT & SERVICES, UNIVERSITY STUDENTS, NEWSLETTERS, CONTACT US. The main content area is titled 'UNIVERSITY STUDENTS' and features a banner image of a woman in a hard hat. Below the banner are 'SUBSCRIBE' and 'HOME' buttons. A sidebar on the left contains a list of links: API BURSARY, CAREER & SALARIES, CAREER OPTIONS, SELECTION PROCESS, STUDENT COMMENTS, >> APPLY ON LINE (highlighted in red), VACATION PLACEMENT, and API BURSARY RECIPIENTS. The main content area displays the 'BURSARY APPLICATION' section, which includes an 'Online Submission' form with the following fields: Title:* (dropdown menu showing 'Mr'), Given Name:*, Surname:*, Email:*, and Phone Number:*. Each field has a corresponding input box.

THE AUSTRALIAN POWER INSTITUTE MEMBER SPONSORS

GOVERNOR



PRINCIPAL



INDUSTRY





SELECTION CRITERIA

- **Sound academic performance**
 - (based on Tertiary Entrance Results + 1st Semester University results)
- **Interest and motivation for a career in the energy industry**
- **Available to Australian Citizens and Permanent Residents**



CONTACT:

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or visit

www.api.edu.au