Republic Polytechnic (RP) provides a conducive learning environment for students and adult learners. The Continuing Education and Training arm of RP, the Academy for Continuing Education @RP (ACE@RP) offers various specialised skills and executive courses for aspiring professionals.

**Executive Programme:**

**Clean Energy Systems and Energy Efficiency Workshop**

**Course Synopsis**

This workshop aims to provide trainees with the knowledge of clean energy systems and skills in energy efficiency measurement on these systems.

Different renewable energy technologies including biomass energy, geothermal energy, wind power, solar energy will be discussed. These technologies and their attributes will be described within a framework that based on the evaluation and energy efficiency analysis of these energy systems.

Hands-on training in handling clean energy systems (PV system, wind energy system and fuel cell system) will be conducted. Case studies on power efficiency measurement will also be studied in this workshop to develop the necessary know-how in management of these clean energy systems.

**Target Audience**

Engineers and Associate Engineers who are involved in energy management related activities:
- Troubleshooting the causes of poor power quality
- Designing of clean energy systems

**Programme Outline**

Clean Energy Systems:
- Photovoltaic System
- Wind Energy System
- Fuel Cell
- Hydroelectric

Topics include:

Working principles, design methodologies and performance measurement on these clean energy systems.

**Entry Requirements**

Degree or Diploma in any engineering discipline with at least 2 years of working experience in energy related industry.

**Certification**

Participants will be awarded the Certificate in Attendance issued by Republic Polytechnic upon completing 80% of attendance requirement and assignments.
TRAINER'S PROFILE

Toh Wai Yin – SEG

Wai Yin has more than 10 years of experience in system integration design and project management.

He was formally the System Team Lead from ST Electronics and has leaded a team to design and implement the communication solution that will be integrated to the electrical meters for the monitoring of the energy consumption in selected households and to provide a mean for demand response control of industrial energy loads.

He is currently a Senior Academic Staff at the School of Engineering, Republic Polytechnic.

Ng Boon Heng - SEG

Boon Heng has more than 10 years of experience in automation system, power electronics, electrical system and robotic system design.

He was formally the Software Engineering Manager from Motorola Manufacturing Solution and has many years of experiences in electrical system and equipment design. He has also served as R&D and Software Operation Manager at Manufacturing Integration Technology Pte Ltd where he was actively involved in electrical and control system design to support the semiconductor industry.

He is currently a Senior Academic Staff at the School of Engineering, Republic Polytechnic.

ENQUIRIES AND APPLICATION

Academy for Continuing Education @RP

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<tr>
<th>Operating Hours</th>
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<tbody>
<tr>
<td>Weekdays</td>
<td>9:00am - 12:30pm</td>
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<td>2:00pm - 5.30pm</td>
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<td></td>
<td>(9:00am - 12:30pm on eve of Major Public Holidays*)</td>
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<tr>
<td>Saturdays, Sundays and Public Holidays</td>
<td>Closed</td>
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*Major Public Holidays refer to New Year’s Day, Chinese New year and Christmas Day

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<tr>
<th>Phone</th>
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<tbody>
<tr>
<td>Fax</td>
<td>6415 1310</td>
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<tr>
<td>Email</td>
<td><a href="mailto:ACE@rp.edu.sg">ACE@rp.edu.sg</a></td>
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