

Chartered Bodies – Catalysts for Global Skills Excellence.

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CEng Case Study - Dr Evona Teh CEng MIET
(IET Member and Volunteer)

About the IET

 Achieve
great things

Multi- Disciplinary

Working across
multiple sectors in
the engineering and
technology
landscape

156,000+
members

Members in
148
countries

3,700
volunteers

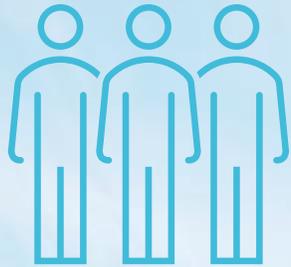


The IET and the Engineering Council

The IET is licensed by the Engineering Council UK to:

- Accredite academic courses in Engineering and Technology in the UK and overseas
- Accredite work place training and development schemes (often called “Initial Professional Development schemes”)
- Register applicants for professional registration
- Assess the Continuing Professional Development (CPD) of registrants

The value of professional registration to the individual.



**Stand out
from the
crowd**



**Confirmation of
expertise**



**Help your
organisation to
succeed**



**Career
prospects**

What does Chartered Engineer Registration mean to business?

- Technical/managerial credibility
- Assurance of competence
- Confirmation of skills claimed
- International recognition
- Recruitment and retention
- Enhanced organisational reputation



The Power of Recognition: Chartered Engineer as a Catalyst for Impact

Chartered status is not just a title—it's a passport to global credibility that opens doors to new opportunities and recognition.

As a woman from an underrepresented background, this qualification gave me a seat at the table where decisions are made.

by Dr Evona Teh

Beyond Titles: Global Recognition

250,000+

UK Engineers

Professionally registered engineers in the UK, with CEng as the highest level.

78%

Career Boost

Of registered engineers report improved career prospects and employer trust.

100+

Countries

Where UK Chartered Engineer status is internationally recognised.

The UK standard is respected worldwide, proving your impact transcends language, culture, and titles.



Professional Recognition: Career Catalyst



Benchmark of Competence

Establishes your professional credibility and ethical standards.



Leadership Recognition

Demonstrates leadership in both technical and strategic arenas.



Problem-Solving Authority

Validates your ability to tackle complex, multi-stakeholder projects.



Value Enhancement

Adds measurable value to your organisation and the wider profession.

From PhD to CEng: A Natural Progression

PhD Experience

- Novel research
- Complex problems
- Project delivery
- Ethical considerations

CEng Competencies

- Innovation
- Technical depth
- Project management
- Professional ethics

Only 20% of Chartered Engineers hold PhDs. Academic rigour maps perfectly to CEng requirements.

Your Journey to Chartered Status

Self-Assessment

Map your experience to CEng competencies using IET Career Manager.

Application Preparation

Document your impact with support from the global engineering community.

Professional Review

PRI interviews celebrate achievement rather than gatekeeping the profession.

95% of applicants using IET Career Manager report a clearer, easier journey to CEng journey to CEng status.



Breaking Barriers in Engineering

Women in Engineering

Only 16.5% of engineers in the UK are women.



Ethnic Diversity

Less than 10% of Chartered Engineers are from ethnic minority backgrounds.

Global Recognition

CEng status provides international mobility and credibility.



Academic Backgrounds

Diverse pathways lead to CEng, including PhDs and non-traditional routes.

Creating Inclusive Excellence

Academic Influence

As a Visiting Professor, I'm shaping the engineers of tomorrow with inclusive practices.

Public Engagement

From BBC appearance, meeting HRH Princess Anne to international outreach in Malaysia, Malaysia, visibility creates inspiration.

Personal Growth

CEng gave me confidence, credibility and global connections beyond my expectations.



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Creating impact and mentoring others

WHEN her Walkman died on her, instead of running to her parents for a new one, Evona Teh decided to open up the portable cassette player and try to fix it herself.

The automotive engineer was eight years old at the time. The beloved walkman may now be left only in her memories, but that moment of curiosity sparked a powerful lifelong interest in engineering for Teh, which has driven her not only to shine in the male-dominated industry but also become a mentor to other women who want to thrive in this field.

"That hands-on experience solidified my passion for understanding how things work and solving real-world problems, which ultimately led me to pursue engineering," she recalls.

When she came to a crossroad after completing her SPM – to do medicine or engineering – Teh did not hesitate.

"I knew engineering was where I belonged.

"For me, engineering has always been about solving problems and creating impact and that's what drives me every day," says the Selangorian, who grew



ing, making the field more appealing and accessible, Teh adds.

In the workplace, companies need to implement policies that support work-life balance, such as flexible hours and parental leave. Mentorship programmes, leadership training, and sponsorship initiatives are also essential to ensure women have the opportunities and support to advance into senior roles.

Transparency in hiring and promotions meanwhile is critical to creating equal opportunities and fostering trust.

"Ultimately, it's about creating a culture where women feel valued, supported, and empowered to lead. By addressing these systemic barriers, we can build a more inclusive engineering community that leverages diverse perspectives to drive innovation and progress," says Teh.

Society can also play a huge role in encouraging young women to pursue engineering and other STEM careers.

Representation matters, says Teh. When young women see others like them succeeding, they're more likely to believe they can too. — Photo provided

Your Next Steps



Explore IET Career Manager

Map your experience to CEng competencies with this helpful tool.



Connect with Mentors

Find support from those who've completed the journey successfully.



Document Your Impact

Start recording your achievements against the CEng framework.



Begin Your Application

Take the first step toward global recognition of your expertise.



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Scan me!