

Do you want to do something about changing what is unsustainable?

GATE is the **professional membership association** for engineers and other professionals who are involved in conceiving and carrying out projects that address *unsustainability*. GATE is also the **learned society** that supports research and continuously develops the discipline of Transition Engineering. Engineered systems provide social benefit and are vital to all modern economic activity. But unsustainable engineered systems represent failure risks and thus must be changed in order to achieve the first principle: *Prevent what is preventable.*

Membership Levels

Engineer Associate

Students or early-career graduates in any engineering subject. Associates receive updates, have access to more online resources, and can receive discounts on training and other events.

Engineer Member

People holding qualifications in an engineering discipline and have relevant experience, can join as full Members.

Peer Professional Associate

People holding university degree qualifications in non-engineering disciplines ,and having relevant experience can apply and participate fully in GATE projects.

Application Instructions

The application process is the same, but a degree granted from an accredited university program under the Washington Accord, plus demonstration of competencies is required for election to the association. All applications are peer reviewed.

- Create a free online account and profile
- Prepare your **EXPERIENCE** and **COMPETENCIES** statements according to the guidelines below.
- Take a photo or obtain digital copies of relevant certificates of professional qualifications.
- Request a chartered professional engineer who knows your work to be your referee.
- Confirm that you agree to abide by the Code of Professional Conduct
- Pay the membership fee via PayPal on the Membership page
- Fill in the on-line application form, or alternatively send your completed application pack to membership@transitionengineering.org
- Applicants for Member grade will be contacted to conduct a peer review interview. This is a short (max 1 hour) phone interview, conducted by phone or Skype or other medium. The interview enables applicants to be properly assessed by their peers.
- Successful applicants will be informed by email

- An Electronic Certificate suitable for printing and framing will be available for **£10**

Notes on Competences

Please highlight these criteria when making your application.

A Academic Criteria

"Demonstrate knowledge and understanding of Transition Engineering. Use knowledge and understanding to optimise the application of existing and emerging technology for the purpose of transition engineering."

- 1 "Have an underpinning knowledge and understanding of Transition Engineering principles. Maintain and extend a sound theoretical approach in enabling the introduction and exploitation of new and advancing technologies, systems philosophies and long term strategies"
- 2 "Engage in the creative and innovative development of transition engineering technology and continuous improvement systems. Apply that knowledge and principles in pursuit of TE"

B Practical Criteria

"Demonstrate problem solving and analytical approach to TE. Apply appropriate theoretical and practical transition engineering methods to the analysis and solution of TE related problems."

- 1 Analyse and evaluate existing and future problems from an TE perspective.
- 2 Conduct appropriate research applicable to transitioners own field of expertise and undertake design and development of transition engineering solutions.
- 3 "Manage implementation of TE design solutions and evaluate their effectiveness. Use evaluation techniques to demonstrate compliance with the specification, improvements from original installation, further avenues for improvements"

C Leadership Criteria

"Demonstrate technical and commercial leadership. Leading the Transition Engineering project definitions and management"

- 1 "Plan for effective project implementation. This could include an ability to systematically review the factors and risks affecting the project implementation including safety and sustainability considerations and/or define a holistic and systematic approach to risk identification, assessment and management"
- 2 "Plan, budget, organise, direct and control tasks, people and resources. This could include setting up appropriate TE management systems, defining quality standards, project programme and budget within legal and statutory requirements. Could also include organising and leading teams, coordinating project activities, identifying variations from standards and the associated corrective action, gathering feedback and recommending improvements."
- 3 Leading teams and developing staff to meet the challenges of transition engineering and evolving technical and managerial requirements
- 4 Demonstrate continuous improvements through monitoring, assessment, quality programmes and change management using the TE steps.



Global Association for Transition Engineering

D Communication Criteria

"Demonstrate effective interpersonal skills. Participate in the dissemination of knowledge of Transition Engineering"

- 1 Communicate confidently in writing and verbally in clear and unambiguous terms about the TE steps and related activities. This should be undertaken with confidence, autonomously and competently
- 2 Show the ability to liaise with, negotiate with, handle conflict and advise others, in individual and/or group environments (either as a leader or member).
- 3 "Promote behavioural and cultural change by influencing others. Encourage others to promote and advance a TE approach by understanding their responsibility for societal change"
- 4 Promote a strategic approach to TE

E Personal Criteria

Personal commitment to professional standards, recognising obligations to society, the TE profession and the environment

- 1 Comply with relevant codes of conduct and practice.
- 2 "Ensure that TE activities comply with safe systems of work and protect people, property, fauna, flora and the wider environment"
- 3 Demonstrate an understanding of environmental ethical dilemmas.
- 4 Take responsibility for personal professional development and records plans and achievement in TE related activities.. Work towards securing tangible change and improvements for a fossil free future
- 5 Demonstrate an understanding of environmental ethical dilemmas and exercise responsibilities in an ethical manner.

We look forward to welcoming you to GATE and to working with Affiliates, Associates and Members towards a prosperous and sustainable future.