



CIHT Young Professionals Challenge 2019 *Creating Sustainable Futures*

The vision and the question:

Transport accounts for 20-25% of global Greenhouse Gas Emissions contributing to climate and weather changes and exposing our transport infrastructure to challenging conditions. The 2018 IPCC report cements this and finds that we need to limit global warming to 1.5°C below pre-industrial levels to avoid severe effects on "health, livelihoods, food security, water supply, human security, and economic growth."

In urban areas transport causes severe air pollution which in turn have serious implications for the health of populations. In the UK alone, long term exposure to man-made air pollution has an annual effect equivalent to between 28,000 and 40,000 deaths and the cost of air pollution to the UK is estimated to be more than £20bn a year.

Solving these linked issues is a global task, the challenge is to identify:

How can technology help us solve the climate and air quality problems and how the transportation sector can create a sustainable future

Entries of suitable quality as moderated by the T&I Panel will be published in the T&I section of the CIHT website. Creators of the top entries will be invited to the YP National Conference on 14 November to present a summary of their entries where the winner will also be announced.

Guidance/areas for consideration:

- Include a vision of how technology can mitigate the negative effects that transport has on the climate and/or air quality
- You can either consider a specific area of technology or consider a wider scope and you can either take a local regional, national or a global focus
- Technologies might include hardware, software, data analytics, etc.
- You could consider impact of technology on new infrastructure, asset management and/or transport planning.
- What are the barriers to change in our profession and how do we reduce them?
- Make clear which stakeholders need to be persuaded/involved to capture the wider benefits of new technology.
- Articulate how the vision impact on end user services.

Formats for Entries include:

- PowerPoint presentation (up to **15** slides)
- Blog (up to **1,000** words)
- Video (up to **5** minutes)
- Podcast (up to **10** minutes)
- ...or any other suitable format.

Send entries to technical@ciht.org.uk

Closing Date for Entries **Monday 9th September 2019**

Open to all CIHT members with less than 10 years' experience in the sector and below the age of 35.