



### CALL FOR PAPERS

## "Impact of Climate Change on SIDS. What Engineering solutions?"

On the Occasion of the World Engineering Day 4<sup>th</sup> March 2022



### Submission Deadlines

Abstract : 05<sup>th</sup> Jan 2021  
Paper Submission : 31<sup>st</sup> Jan 2022  
Launch of Journal : 4<sup>th</sup> Mar 2022

### MEMBER OF



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### Impact of Climate Change on SIDS. What Engineering solutions?

Climate is the average weather in a place over many years. Climate change is a shift in those average conditions.

The rapid climate change we are now seeing is caused by humans using oil, gas and coal for their homes, factories and transport. When these fossil fuels burn, they release greenhouse gases - mostly carbon dioxide (CO<sub>2</sub>). These gases trap the Sun's heat and cause the planet's temperature to rise. The world is now about 1.2C warmer than it was in the 19th Century - and the amount of CO<sub>2</sub> in the atmosphere has risen by 50%.

Climate change is one of the world's most pressing problems. Governments must promise more ambitious cuts in warming gases if we are to prevent greater global temperature rises. We need to watch for the promises made by the world's biggest polluters, and whether poorer countries are getting the support they need. All our lives will change. Decisions made at COP26 Summit in Glasgow could impact our jobs, how we heat our homes, what we eat and how we travel.

A World Engineering Day for Sustainable Development will be an opportunity:

- ✓ To demonstrate the role of engineers and engineering, to develop solutions to Climate Change
- ✓ To raise the profile of engineering and technology, and its role in improving the quality of life worldwide and achieving the United Nations SDGs.
- ✓ For dialogue between engineers and decision makers, industry leaders, scientists, non-governmental organizations and the public at large on issues relating to Climate Change and sustainable development.
- ✓ To enable policies and solutions to address the world's most pressing and with focus on reducing the Impact of SIDS
- ✓ To encourage, more young people, especially girls, to consider engineering as a career and be aware of the Climate Change challenges.

### What can Engineers do to mitigate or reduce the impacts of Climate Change on the lives of every citizen on earth?

The Institution of Engineers Mauritius (IEM) is organising a series of events to commemorate the World Engineering Day. One of them is a Digital IEM Commemorative Journal 2022 that will be launched on 4th March 2022. We therefore invite engineers from Mauritius and Worldwide to submit their articles which will demonstrate current challenges faced by Citizens of Mauritius and the World due to Climate Change and what contributions can be made by Engineers to reduce the impact of Climate Change overall and more specifically on Small Island Developing States (SIDS). Engineers need to ponder and act on how the Engineering professionals can ensure a better World tomorrow.

### Impact of Climate Change: What can Engineers do to mitigate/reduce for SIDS

#### WFEO - 17 Sustainable Development Goals

Papers may be drawn from a range of sectors, but should not limited to the 17 SDGs defined by the United Nations to transform our world:



The following topics are also welcome to be included for paper submission.

- What exactly should we Engineers & People of the World do or not do to reduce impact of Climate Change?
- Is reduction of Methane emission enough?
- Are the COPs Meetings working?
- How can we create more awareness?
- Education of Climate Change and solutions- is it working?
- Fossil Fuels... till when?
- the 'c' word mentioned only to pacify activists only? (coal)
- 1.5 degrees? is that all it boils down to?
- What is the role of the engineer in mitigating/Changing Change impacts in Small Island Developing States (SIDS)?
- What is the role of the Engineers to meeting the Sustainable Development Goals (SDGs)?
- What is the Engineer doing to achieve Zero Carbon Dioxide emission?
- A new breed of Engineers to tackle Climate Change related issues?

#### IEM Commemorative Journal 2022

For more details on Paper & Presentation Guidelines, visit [www.iemauritius.com](http://www.iemauritius.com)



**IEM Commemorative Journal on  
Impact of Climate Change on SIDS -What Engineering Solutions?  
4th March 2022  
Paper & Presentation Guidelines**

Papers and Presentations should be relevant to the above theme, and therefore highlight the need for contribution of engineers to development in all the relevant domains. It should also highlight the what's to come in future.

Presenters are solely responsible for the creation of their presentation. For a successful and productive Journal, all contributors should adhere to the following guidelines:

abstract

- **Abstracts of 400-700 words** including information regarding the background and objectives of the study, approach and methodology, major findings of the research work, conclusion and significance together with **Brief cv and photo of author** must be sent in by **5<sup>th</sup> January 2022**. Final written paper must maximum 4,500 words for the Journal, (4-6 pages) including illustrations and to be submitted by **31<sup>st</sup> January 2022**.
- Font to be used is Times New Roman 12pt, single spacing. All margins must be one inch on all sides for the body of the paper.
- Only **ONE** author per paper will be accepted.
- All papers must be submitted as Microsoft Word docs. Papers in PDF may not be accepted.
- Do not include page numbers and a running head. This will allow the editors to combine all papers into one unified proceedings document.
- Use footnotes and endnotes sparingly, if at all. This helps the editors to combine all papers into a unified proceedings document and have the references correct for each paper.
- Figures will be reproduced exactly as supplied, with no redrawing. It is therefore imperative that the supplied figures are of the highest possible quality.
- Only selected papers will be published in electronic format in the Annual IEM Commemorative Journal which will be released on **4<sup>th</sup> March 2022**.
- All papers may be published in seminar proceedings.
- The IEM reserves the right to publish the papers.
- All presentations are to be in English. The presenter should be able to understand and respond to audience questions in English.
- Presenters will be given 25 minutes for their presentation, inclusive of around 5 minutes for Q&A.
- Presenters should save their presentation in PowerPoint format on a flash drive (memory stick). Cloud-based storage (e.g. Dropbox, Google Drive) and presentation software (e.g. Prezi) should not be used as speed of internet might not be guaranteed.
- All presentation rooms will be equipped with a podium, microphone, Windows laptop, projector, and screen. Each presentation will also have Internet access, if needed. Macintosh compatibility is not guaranteed unless prior arrangement made.
- Arrive to your session room 15 minutes before the session begins to upload your presentation to the provided laptop. Presentation from the personal laptops may be acceptable, but compatibility with the projector cannot be guaranteed.
- Presentations may be recorded and made publicly available.
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3<sup>rd</sup> December 2021