

## EXPERT PROFILE

### DR. SITI INDATI MUSTAPA

Position: Director and Senior Lecturer

Years of professional experience: 20 years

Research Centre: Institute of Energy Policy and Research

**Research Forte:** Energy and Environment, Transport, Energy Policy and Energy Sustainability.



### EDUCATIONAL BACKGROUND

University Name | PHD in Business Management@ UNITEN

University Name | Master Degree in Computer Science@ UPM

University Name | Bachelor of Science (Computer Science)@ UPM

### PROFESSIONAL EXPERIENCE

**Dr. Siti Indati Mustapa** is a Director of Institute of Energy Policy and Research (IEPre) at Universiti Tenaga Nasional (UNITEN). She obtained her Ph.D. (Energy & Environment) from UNITEN in 2018. She is also a Senior Lecturer at the College of Energy Economics and Social Sciences. She works as a researcher and consultant on the issue pertaining to energy sustainability and climate change. Her policy research interest revolves around energy economics and the environment. She gained practical knowledge on economic policy analysis by conducting studies and consultancies for the Energy Commission, Ministry of Environment and Water (formally known as Ministry of Energy, Science, Technology, Environment and Climate Change - MESTECC), Economic Planning Unit, Malaysia Green Technology Corporation (MGTC), Department of Statistics (Environment) and Tenaga Nasional Berhad. She led a series of research project for MESTECC in developing a roadmap to achieve the INDC target of Malaysia, including in-depth assessment and modeling of mitigation actions and developing the greenhouse gas inventory for Malaysia's Energy Sector. She also led and completed the Greenhouse gas and Mitigation Chapters for Energy Sector for the Third National Communications and Second Biennial Update Report to UNFCCC. She has vast experience in managing stakeholder's engagement at national and international collaborative energy-related program through Chair in Energy Economics of Energy Commission at UNITEN, with the Energy and Resources Institute (TERI), India and Institute of Energy Economics of Japan (IEEJ) since 2010. She is also an active member of the Energy Research Institute Network (ERIN), an international academic network involve in preparing appropriate energy policy recommendations for energy policymakers in the East Asia Summit region. She is currently the technical advisor for MGTC on Malaysia Climate Action Simulator Development and working member of Economic Research Institute for ASEAN and East Asia (ERIA) research project on Economics and Risks of Power System with High Shares of Renewable Energies.

### KEY PROJECT HIGHLIGHTS:

1. Development of the Mitigation Analysis (Including Emission Projection) for Third National Communications (NC3).
2. Circular Economy on Urban Waste Water Treatment.
3. Greenhouse Gas (GHG) Inventory for Energy Sector and Industrial Processes.
4. A Roadmap of Emission Intensity Reduction in Malaysia.
5. An Inception report of Long-term roadmap on the 40% Reduction in Carbon Intensity.
6. Energy Efficient Pathways for the Transportation Sector in Malaysia.