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Guest Editorial

Special Section on ASME 16th International Conference on Energy Sustainability (ES 2022)

Energy Sustainability is of paramount significance for ensuring the well-being of the present and future generations of the earth's inhabitants. The growing population, limited potential of conventional sources of energy, as well as environmental concerns, have been continuously attracting attention from experts and researchers, as well as leaders and policymakers to explore innovative solutions to one of our most pressing issues of today and the future: Energy.

The ASME Energy Sustainability Conference is a distinguished forum for experts and researchers from academia, industry, national labs, and other important organizations to exchange ideas, research findings, and technical developments in diverse research areas related to energy and sustainability. The ES 2022 Conference was held in Philadelphia, PA on July 11–13, 2022. The conference theme for the year 2022 was "For a Sustainable Planet," emphasizing the importance of sustainability for the future of the planet Earth. The conference offered eight tracks, covering topics such as Sustainable Buildings and Cities, the Nexus of Energy, Water, and Climate, Energy Storage, Solar Power, Solar Chemistry, Solar Desalination and Industrial Process Heat, and Alternative Energy Conversion Technologies (wind, geothermal, ocean, and others).

The Special Section of ES 2022 features a group of selected papers that were presented at the conference and were recommended for publication in the ASME *Journal of Energy Resources Technology* after completing the journal's peer review process. The papers are good representations of the conference's scope. The ASME Energy Sustainability Conference is an annual event with continuously growing participation. We hope you consider attending this exciting event in the future.

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