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# Hydrogen as a Sustainable Energy: Current Status and Future Prospect

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#### **Message from the Guest Editors**

This Special Issue focuses on the status and the future prospect of hydrogen as a sustainable energy in the fields from the hydrogen production to the applications, from the technologies to the economy and policies. The relationships revealed would help to shape integrated sustainable planning and development strategies of hydrogen energy. Topics include but are not limited to the followings:1)Hydrogen production: technologies, economic analysis, market potentials; 2)Hydrogen delivery: technologies, delivery efficiency, international delivery web; 3)Hydrogen storage: crystal structure, nanostructure; 4)Hvdrogen fuel: physical properties, combustion characteristics; 5)Hydrogen engines: hydrogen internal combustion engines, hydrogen gas turbine, hydrogen propulsion; 6)Hydrogen fuel cells: fuel cells performances, electrochemical reaction, catalytical materials, life-cycle assessment; 7)Hydrogen safety: explosion characteristics, potential, spontoons ignition; 8)Hydrogen leakage economy and energy policy: public attitude, dynamics of hydrogen economy development and energy policy towards Carbon Neutral Society; 9)Hydrogen ethics: environmental risk in hydrogen production etc.







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### Message from the Editor-in-Chief

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