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"Challenges in America's Energy Future - the Role of Universities and National Laboratories."

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Sid is the Director of the Energy & Global Security Technologies Center. The center contributes to national security through the development and application of world-class technologies in the

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Abstract

Our nation must become clear in defining outcomes that balance national security, environment and economic prosperity goals. These goals must lead to eliminating the strategic value of imported oil, must modernize and secure our energy production, distribution and transmission infrastructures, must transition our nation to a carbon-efficient economy and must accelerate innovation and technology insertion to meet the national need. The challenges we face are complex but not insurmountable. Universities and national laboratories, as incubators of innovation, have the unique opportunity to be major players in forging America's energy future through collaborations in science and technology areas and by informing the debate on these important policy issues.

nuclear fuel cycle, to move toward sustainable energy and improved environmental quality for the U.S. and the international arena, to reduce the threat of terrorism and the proliferation of weapons of mass destruction.

He is retired from the Air Force at the rank of Colonel. He joined NASA as an astronaut in 1984. On his first mission, Sid served as pilot on the crew of STS-40 Spacelab Life Sciences (SLS-1), a dedicated space and life sciences mission. On his second mission, Sid served as Commander of STS-59 Space Radar Laboratory (SRL-1), part of Mission to Planet Earth.

He was cited for the Distinguished Flying Cross, the Legion of Merit, the Defense Superior Service Medal, the Air Force Meritorious Service Medal, two NASA Space Flight Medals, the NASA Exceptional Achievement Medal, and the NASA Outstanding Leadership Medal.



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