



ABSTRACT
Space Congress 2004

NASA HYDROGEN RESEARCH AT THE UNIVERSITY OF FLORIDA

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January 2004

In 2003 NASA Glenn Research Center awarded an 18 month, \$7.92 million grant to Florida universities for hydrogen research. This program teams researchers from Florida universities with NASA Glenn and NASA Kennedy to form a powerful partnership.

The research program at the University of Florida focuses on the following areas:

- New and improved hydrogen production processes
- Hydrogen leak detection via laser instrumentation
- Hydrogen leak detection via distributed micro-sensors
- Terrestrial and in-space cryogenic transport and storage
- High energy densified materials for hydrogen storage
- New propellants and cryofuels
- Education and outreach activities.

A mobile demonstration unit is being built for one of the hydrogen production processes for testing and education and is planned to be demonstrated at or near KSC in the future.