



[Home](#) [News](#) [Personal](#) [Community](#) [Other](#) [Central](#) [About](#)

The International Space Fellowship

Categories

[America's Space Prize](#)
[American Astronautics](#)
[ARCA Space](#)
[Arianespace](#)
[Armadillo Aerospace](#)
[Benson Space Company](#)
[Bigelow Aerospace](#)
[Blue Origin](#)
[Blue Ridge](#)
[Nebula Bristol](#)
[Spaceplanes Ltd](#)
[Canadian Arrow da Vinci Project / Golden Palace Space Program](#)
[ESA Flight Exploration](#)
[Florida Funtech Systems](#)
[HARCspace IL](#)
[Aerospace Interorbital Systems JP](#)
[Aerospace Kelly Space](#)
[Kistler Kistler Aerospace](#)
[Masten Space Micro-Space, Inc](#)
[NASA New Mexico](#)
[Odyssey Spacelines Orbital](#)
[Outfitters Orion Other Companies](#)
[Pablo De Leon](#)

[Local Expert Plays Role In Powering Up New Module For International Space Station](#)

December 3rd, 2007

Cleveland - An engineer at NASA's Glenn Research Center will be instrumental in assuring a seamless integration of the European Space Agency's Columbus laboratory when it is attached to the International Space Station during the upcoming STS-122 mission of space shuttle Atlantis.

at&t

Save big with
Home Phone and High Speed
Internet for less than

\$ 60⁰⁰ /mo

[Learn More >](#)

Gregory V. Schmitz is the Columbus Electrical Power System (EPS) integration manager. Over the last few years, he spent many hours in multi-national review meetings, face-to-face encounters and data exchanges with ESA to resolve the challenging issues involved in melding the different languages and technologies.

Schmitz has been involved in the design, development and implementation of numerous parts of the space station's EPS. "To see an idea taken from the design stages to completion as a final flying machine is truly satisfying, both personally and professionally," said Schmitz.

Columbus is a multi-purpose science laboratory which is being delivered to the space station on this flight, scheduled for launch on Dec. 6 at 4:31 p.m. This highly flexible facility comprises a pressurized module and several unpressurized external payload platforms. It is Europe's largest contribution to the station.

During the activation of Columbus, Schmitz will be at

Search

Archives

- [January 2008](#)
[December](#)

- [Panaero, inc.](#)
- [Personal Spaceflight Federation Rocketplane Scaled Composites / Mojave Aerospace Ventures Solar Skiff Space Adventures Space Race News Space Transport Corporation SpaceDev SpaceX Starchaser Industries Stone Aerospace Suborbital Corporation t/Space TGV Rockets UP Aerospace X Cor X PRIZE Cup X PRIZE News XCOR](#)

NASA's Johnson Space Center's Mission Evaluation Room in Houston. He will help ensure the lab's successful integration with the station and will be on call around the clock for any issues that may arise with the EPS in connecting Columbus to the space station.

The Columbus laboratory will be attached to the starboard docking port of Node-2. Columbus will accommodate 10 internal racks, which can house a variety of experiments. It is also capable of supporting four external payloads that can be attached outside the lab for research requiring exposure to the space environment.

With this expansion of station, its research capacity will double, allowing additional knowledge to be gained from research in space. In order for this additional capability to function well, a problem-free integration of the electric power requirements is essential.

Schmitz is a lifelong resident of Lakewood, Ohio. He is a graduate of St. Ignatius High School, received his bachelor's degree in electrical engineering from University of Detroit and a master's degree in business administration from Baldwin Wallace College.

For a print quality image of Schmitz, see:

<http://www.nasa.gov/centers/glenn/news/pressrel/2007/07-056addm.html>

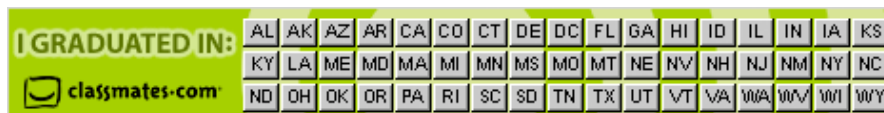
For more information on STS-122, visit:

<http://www.nasa.gov/shuttle>

Please feel free to discuss this topic further in the [forum...](#)

Posted in [Space Race News](#), [NASA](#) |

News Feeds: [ATOM](#) [RSS](#) [RSS2](#)



- [December 2007](#)
- [November 2007](#)
- [October 2007](#)
- [September 2007](#)
- [August 2007](#)
- [July 2007](#)
- [June 2007](#)
- [May 2007](#)
- [April 2007](#)
- [March 2007](#)
- [February 2007](#)
- [January 2007](#)
- [December 2006](#)
- [November 2006](#)
- [October 2006](#)
- [September 2006](#)
- [August 2006](#)
- [July 2006](#)
- [June 2006](#)
- [May 2006](#)
- [April 2006](#)
- [March 2006](#)
- [February 2006](#)
- [January 2006](#)
- [December 2005](#)
- [November 2005](#)
- [October 2005](#)
- [September 2005](#)
- [August 2005](#)
- [July 2005](#)
- [June 2005](#)
- [May 2005](#)
- [April 2005](#)
- [March 2005](#)
- [February 2005](#)
- [January 2005](#)
- [December 2004](#)
- [November 2004](#)
- [October 2004](#)
- [September](#)

2004

- [August 2004](#)
- [July 2004](#)
- [June 2004](#)
- [May 2004](#)
- [April 2004](#)
- [March 2004](#)
- [February 2004](#)
- [January 2004](#)
- [December 2003](#)
- [November 2003](#)
- [October 2003](#)
- [September 2003](#)
- [August 2003](#)
- [July 2003](#)
- [June 2003](#)
- [May 2003](#)
- [April 2003](#)



A public service provided by Space Fellowship - [Home](#) - [Privacy Policy](#)

Previously known as X PRIZE News (XPrizeNews.org) and Space Race News (SpaceRaceNews.com), hosted by [Gabitasoft BVBA](#)