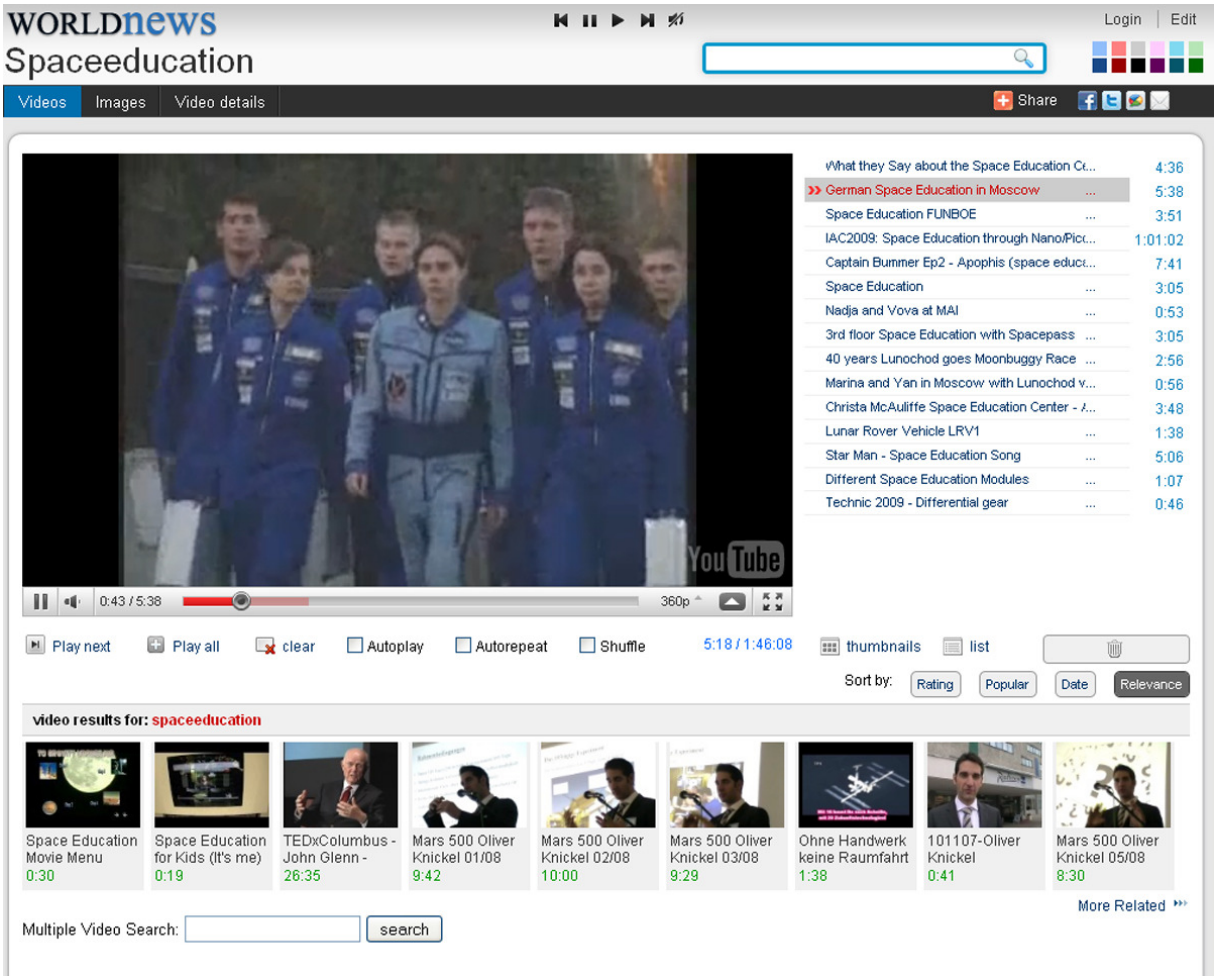
Press reactions
2008-2010
International Space Education Institute

Pressespiegel Englisch
2008 - 2010
International Space Education Institute


WORLDnews
Spaceeducation
Login | Edit
Videos
Images
Video details
Share
What they Say about the Space Education Cr... 4:36
German Space Education in Moscow ... 5:38
Space Education FUNBOE ... 3:51
IAC2009: Space Education through Nano/Picr... 1:01:02
Captain Bummer Ep2 - Apophis (space educt... 7:41
Space Education ... 3:05
Nadja and Vova at MAI ... 0:53
3rd floor Space Education with Spacepass ... 3:05
40 years Lunochod goes Moonbuggy Race ... 2:56
Marina and Yan in Moscow with Lunochod v... 0:56
Christa McAuliffe Space Education Center - A... 3:48
Lunar Rover Vehicle LRV1 ... 1:38
Star Man - Space Education Song ... 5:06
Different Space Education Modules ... 1:07
Technic 2009 - Differential gear ... 0:46
YouTube
0:43 / 5:38
360p
Play next
Play all
clear
Autoplay
Autorepeat
Shuffle
5:18 / 1:46:08
thumbnails
list
Sort by:
Rating
Popular
Date
Relevance
video results for: spaceeducation
Space Education Movie Menu 0:30
Space Education for Kids (It's me) 0:19
TEDxColumbus - John Glenn - 26:35
Mars 500 Oliver Knickel 01/08 9:42
Mars 500 Oliver Knickel 02/08 10:00
Mars 500 Oliver Knickel 03/08 9:29
Ohne Handwerk keine Raumfahrt 1:38
101107-Oliver Knickel 0:41
Mars 500 Oliver Knickel 05/08 8:30
More Related
Multiple Video Search:
search

BALDWIN COUNTY NOW.com
What's Happening in Baldwin County Today

Print Page

NASA names Great Moonbuggy Race winners

Fairhope 'Pirates Plunder the Moon' team brings award home; teams from Germany, Puerto Rico top high school and college divisions

Submitted by NASA Marshall News
(Created: Sunday, April 18, 2010 10:05 AM CDT)

Submitted by NASA Marshall News

HUNTSVILLE, Ala. — NASA has announced the victors in the 17th annual Great Moonbuggy Race: The team representing the International Space Education Institute of Leipzig, Germany, won the high school division; and racers from the University of Puerto Rico in Humacao took first place in the college division.

Members of the team from Fairhope High School make their way through the half-mile course during the 17th annual Great Moonbuggy Race. Photo by Emmett L. Given.

Fairhope High School Team 1 received the Most Improved Award, which is given for the most dramatically improved engineering and performance.

The teams bested more than 70 teams from 18 states, Puerto Rico, Canada, Germany, India and Romania. More than 600 drivers, engineers and mechanics — all students — gathered with their team advisors and cheering sections to take part in the matchup of wits and wheels at the U.S. Space & Rocket Center April 9-10 in Huntsville, Ala.

The race is organized by NASA's Marshall Space Flight Center in Huntsville. It challenges students to design, build and race lightweight, human-powered buggies that tackle many of the same engineering challenges dealt with by Apollo-era lunar rover developers at the Marshall Center in the late 1960s.

The International Space Education Institute, known among moonbuggy racers as "Team Germany," has been a prominent contender in the competition since they debuted in 2007 as the German Space Education Institute. Their team this year included two Russian students, reflecting the school's expanded international scope.

The University of Puerto Rico in Humacao — the only school in the world to enter a moonbuggy in every race since the event was founded in 1994 — won the second-place prize in 2009, and finally took home first place in this, its 17th appearance.

The winning teams posted the fastest vehicle assembly and race times in their divisions and received the fewest on-course penalties. The International Space Education Institute finished the roughly half-mile course — twisting curves, treacherous gravel pits and other obstacles simulating lunar surface conditions — in just 3 minutes 37 seconds. The University of Puerto Rico at Humacao posted a time of 4 minutes 18 seconds.

Finishing in second place this year in the high school division was Fajardo Vocational High School of Humacao, Puerto Rico, which entered the competition for the first time in 2009. Third place in the high school division yielded a tie: race newcomer Jupiter High School of Jupiter, Fla., matched perennial top-three winner Huntsville Center for Technology Team 1 of Huntsville, Ala., which also tied last year for the top high school trophy.

The University of Utah from Salt Lake City won second place in the college division, boosting them onto the trophy platform for the first time since they debuted in the race in 2007; and the Rhode Island School of Design from Providence, R.I., took home third place in their first race appearance, despite having no engineers on their team (all team members are industrial design students).

NASA names Great Moonbuggy Race winners

Fairhope 'Pirates Plunder the Moon' team brings award home; teams from Germany, Puerto Rico top high school and college divisions

Submitted by NASA Marshall News
(Created: Sunday, April 18, 2010 10:05 AM CDT)

Race organizers presented both first-place winners with trophies depicting NASA's original lunar rover. NASA also gave plaques and certificates to every team that competed.

The first-place high school team also received $500 and a week at Space Camp, courtesy of race sponsors ATK Aerospace Systems of Huntsville. ATK awarded the second- and third-place high school teams $250 each. Race sponsor Lockheed Martin Corp. of Huntsville also presented the winning college team with $5,700 in cash.

"Each year, NASA's Great Moonbuggy Race clearly demonstrates the popularity, worldwide reach and intrinsic value of the agency's education initiatives," said Tammy Rowan, manager of the Marshall Center's Academic Affairs Office, which organizes the race. "It's our goal to augment and enrich the classroom experience, and inspire a new generation of scientists, engineers and explorers to carry on NASA's mission of discovery throughout our solar system and deliver untold benefits back home on Earth."

The moonbuggy race is inspired by the original lunar rover, first piloted across the moon's surface in the early 1970s during the Apollo 15, 16 and 17 missions. The first race, held in 1994, commemorated the 25th anniversary of the Apollo 11 lunar landing. At the time, the event was only open to college teams, and eight participated. Two years later, the event was expanded to include high school teams.

NASA's Great Moonbuggy Race is hosted each year by the U.S. Space & Rocket Center. Major corporate sponsorship is provided by Lockheed Martin Corp., The Boeing Co., Northrop Grumman Corp. and Jacobs Engineering ESTS Group, all of Huntsville

For more information about the race, visit: http://moonbuggy.msfc.nasa.gov

For information about other NASA education programs, visit: http://education.nasa.gov.

Mock Moon Buggies From Germany, Puerto Rico Win NASA Race

By SPACE.com Staff

posted: 19 April 2010
09:02 pm ET

Two veteran contenders maneuvered their way to victory around twisting curves, treacherous gravel pits and other obstacles in a NASA contest that simulated race across the moon's surface

The team representing the International Space Education Institute of Leipzig, Germany, won the high school division, while racers from the University of Puerto Rico in Humacao took first place in the college division of NASA's 17th annual Great Moonbuggy Race.

The winning competitors beat out more than 70 teams from 18 states, Puerto Rico, Canada, Germany, India and Romania.

More than 600 drivers, engineers and mechanics — all students — gathered with their team advisors and cheering sections to take part in the matchup of wits and wheels at the two-day event, which began April 9 at U.S. Space & Rocket Center in Huntsville, Ala.

The annual race is organized by NASA's Marshall Space Flight Center in Huntsville, and challenges students to design, build and race lightweight, human-powered buggies that have to tackle many of the same engineering challenges that Apollo-era lunar rover developers faced at the Marshall Center in the late 1960s.

The International Space Education Institute has been a prominent contender in the moonbuggy competition ever since they debuted in 2007 as the German Space Education Institute. The team this year included two Russian students, reflecting the school's expanded international scope.

BaldwinCountyNOW.com
A Gulf Coast Information Source for South Alabama

Local News

NASA names Great Moonbuggy Race winners

Fairhope 'Pirates Plunder the Moon' team brings award home; teams from Germany, Puerto Rico top high school and college divisions

Submitted by NASA Marshall News
(Created: Sunday, April 18, 2010 10:05 AM CDT)

More Local News

TT | Text Size | TT

Comment | Print this story | Email this story | Letter to the Editor

Submitted by NASA Marshall News

HUNTSVILLE, Ala. — NASA has announced the victors in the 17th annual Great Moonbuggy Race: The team representing the International Space Education Institute of Leipzig, Germany, won the high school division; and racers from the University of Puerto Rico in Humacao took first place in the college division.

Fairhope High School Team 1 received the Most Improved Award, which is given for the most dramatically improved engineering and performance.

The teams bested more than 70 teams from 18 states, Puerto Rico, Canada, Germany, India and Romania. More than 600 drivers, engineers and mechanics — all students — gathered with their team advisors and cheering sections to take part in the matchup of wits and wheels at the U.S. Space & Rocket Center April 9-10 in Huntsville, Ala.

The race is organized by NASA's Marshall Space Flight Center in Huntsville. It challenges students to design, build and race lightweight, human-powered buggies that tackle many of the same engineering challenges dealt with by Apollo-era lunar rover developers at the Marshall Center in the late 1960s.

The International Space Education Institute, known among moonbuggy racers as "Team Germany," has been a prominent contender in the competition since they debuted in 2007 as the German Space Education Institute. Their team this year included two Russian students, reflecting the school's expanded international scope.

The University of Puerto Rico in Humacao — the only school in the world to enter a moonbuggy in every race since the event was founded in 1994 — won the second-place prize in 2009, and finally took home first place in this, its 17th appearance.

The winning teams posted the fastest vehicle assembly and race times in their divisions and received the fewest on-course penalties. The International Space Education Institute finished the roughly half-mile course — twisting curves, treacherous gravel pits and other obstacles simulating lunar surface conditions — in just 3 minutes 37 seconds. The University of Puerto Rico at Humacao posted a time of 4 minutes 18 seconds.

Finishing in second place this year in the high school division was Fajardo Vocational High School of Humacao, Puerto Rico, which entered the competition for the first time in 2009. Third place in the high school division yielded a tie: race newcomer Jupiter High School of Jupiter, Fla., matched perennial top-three winner Huntsville Center for Technology Team 1 of Huntsville, Ala., which also tied last year for the top high school trophy.

The University of Utah from Salt Lake City won second place in the college division, boosting them onto the trophy platform for the first time since they debuted in the race in 2007; and the Rhode Island School of Design from Providence, R.I., took home third place in their first race appearance, despite having no engineers on their team (all team members are industrial design students).

Race organizers presented both first-place winners with trophies depicting NASA's original lunar rover. NASA also gave plaques and certificates to every team that competed.

Members of the team from Fairhope High School make their way through the half-mile course during the 17th annual Great Moonbuggy Race. Photo by Emmett L. Given.

Student rocketeers to display, launch rockets April 16-18

Marshall TV to stream live coverage of annual challenge via Ustream

Marshall Space Flight Center team members are invited to meet hundreds of student rocketeers from all over the country and cheer them on – in person or online – as they launch their sophisticated rockets during NASA's annual Student Launch Projects on April 16-18.

The annual rocket fair will be held April 16 from 11 a.m. to 1 p.m. in Activities Building 4316. College and university students will launch their rockets April 17. Middle and high school teams will launch April 18. Both events begin at 10 a.m. at Bragg Farms in Toney, Ala., approximately 20 miles north of Huntsville in Madison County.

For the first time, Marshall Television Services will stream the launch challenge live via the interactive broadcast platform Ustream. Watch at http://www.ustream.tv/channel/marshall-space-flight-center.

Each year, NASA's Student Launch Projects challenge students to blend practical engineering practices with sky-high creativity – and to pursue technical careers in fields involving science, technology, engineering and mathematics.

For more information and directions to the launch site, visit http://www.nasa.gov/pdf/436692main_SLI_Brochure.pdf.

Great Moonbuggy Race brings crashes, smiles, new victors

Among the highlights of the 17th annual NASA Great Moonbuggy Race, held April 9-10 at the U.S. Space & Rocket Center, was the first-place upset victory by German moonbuggy drivers Steffi Fleischer, left, and Stefan Martini. Representing the International Space Education Institute in Leipzig, Germany, the duo unseated 2008-09 high school champions from Kansas and Alabama with a final race time of 3:37. "Team Germany," which this year included two Russian students, has competed in the race since 2007.

Angel Cepeda, front, and Stella Delgado pilot the moonbuggy for the University of Puerto Rico in Humacao to a first-place win in the college division. They finished the grueling course, which simulates the rough, cratered surface of the moon, with a best time of 4:18. The university has been represented in every moonbuggy competition since it began in 1994. After 17 years, the team goes home with a first-place trophy.

A teammate congratulates Cassie Maurer, driver for the rookie team from the Rhode Island School of Design in Providence, after Maurer and fellow driver Eric Peloquin raced their innovative, three-wheeled buggy to a third-place win in the college division. The team's win was unprecedented – not one member studies engineering. They're all industrial design majors. Nearly half of the 70 teams this year were race newcomers.

Revving up the moonbuggy crowd at the Space & Rocket Center were fans of the Lima Senior High School team from Lima, Ohio. Hundreds of spectators came out to root for their teams. Complete race results are available at http://www.nasa.gov/topics/moonmars/moonbuggy2010/moonbuggy_2010.html. To watch the complete race on Ustream, visit http://www.nasa.gov/topics/moonmars/moonbuggy2010/winning_teams_2010.html.

The Huntsville Center for Technology Team 1 finished 3rd in the high school division in the 2010 Great Moonbuggy Race.

Great Moonbuggy Race held

NASA

April 13, 2010 - A team from Germany won the high school division of NASA's Great Moonbuggy Race and a team from Puerto Rico took first place in the college division. Both teams are veterans of the race.

THE 17th Annual Great Moonbuggy Race, organized by the NASA's Marshall Space Flight Center in Huntsvile, Alabama, was held in Huntsville last weekend It challenges students to design, build and race lightweight, human-powered buggies that tackle many of the same engineering challenges dealt with by Apollo-era lunar rover developers at the Marshall Center in the late 1960s.

The International Space Education Institute, known among moonbuggy racers as "Team Germany," has been a prominent contender in the competition since they debuted in 2007 as the German Space Education Institute. Their team this year included two Russian students, reflecting the school's expanded international scope.

The University of Puerto Rico in Humacao - the only school in the world to enter a moonbuggy in every race since the event was founded in 1994 - won the second-place prize in 2009, and finally took home first place in this, their 17th appearance.

The teams bested more than 70 teams from 18 states, Puerto Rico, Canada, Germany, India and Romania. More than 600 drivers, engineers and mechanics - all students - gathered with their team advisors and cheering sections to take part in the event.

The winning teams posted the fastest vehicle assembly and race times in their divisions and received the fewest on-course penalties. The International Space

HUNTSVILLE, Ala. -- NASA has announced the victors in the 17th annual Great Moonbuggy Race: The team representing the International Space Education Institute of Leipzig, Germany, won the high school division; and racers from the University of Puerto Rico in Humacao took first place in the college division.

The teams bested more than 70 teams from 18 states, Puerto Rico, Canada, Germany, India and Romania. More than 600 drivers, engineers and mechanics -- all students -- gathered with their team advisors and cheering sections to take part in the matchup of wits and wheels at the U.S. Space & Rocket Center April 9-10 in Huntsville, Ala.

The race is organized by NASA's Marshall Space Flight Center in Huntsville. It challenges students to design, build and race lightweight, human-powered buggies that tackle many of the same engineering challenges dealt with by Apollo-era lunar rover developers at the Marshall Center in the late 1960s.

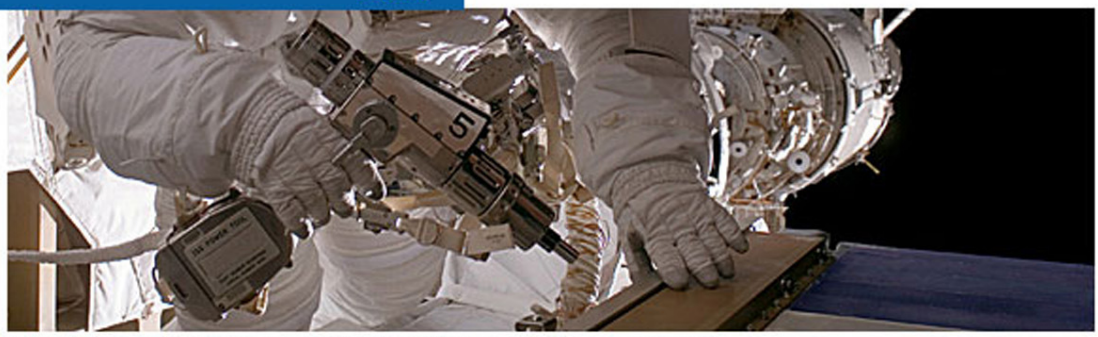
The International Space Education Institute, known among moonbuggy racers as "Team Germany," has been a prominent contender in the competition since they debuted in 2007 as the German Space Education Institute. Their team this year included two Russian students, reflecting the school's expanded international scope.

The University of Puerto Rico in Humacao -- the only school in the world to enter a moonbuggy in every race since the event was founded in 1994 -- won the second-place prize in 2009, and finally took home first place in this, their 17th appearance.

The winning teams posted the fastest vehicle assembly and race times in their divisions and received the fewest on-course penalties. The International Space Education Institute finished the roughly half-mile course -- twisting curves, treacherous gravel pits and other obstacles simulating lunar surface conditions -- in just 3 minutes 37 seconds. The University of Puerto Rico at Humacao posted a time of 4 minutes 18 seconds.

Finishing in second place this year in the high school division was Fajardo Vocational High School of Humacao, Puerto Rico, which entered the competition for the first time in 2009. Third place in the high school division yielded a tie: race newcomer Jupiter High School of Jupiter, Fla., matched perennial top-three winner Huntsville Center for Technology Team 1 of Huntsville, Ala. -- who also tied last year for the top high school trophy.

The University of Utah from Salt Lake City won second place in the college division, boosting them onto the trophy platform for the first time since they debuted in the race in 2007; and the Rhode Island School of Design from Providence, R.I., took home third place in their



NASA's 17th Annual Great Moonbuggy Race

Submitted by keithcowing on Mon, 03/08/2010 - 20:26. Education Gadgets Blog

More than 100 student teams from around the globe will drive their specially crafted lunar rovers through a challenging course of rugged, moon-like terrain at NASA's 17th annual Great Moonbuggy Race in Huntsville, Ala., April 9-10.

Some 1,088 high school, college and university students from 20 states and Puerto Rico, Canada, Germany, Bangladesh, Serbia, India and Romania are expected to participate in the race at the U.S. Space and Rocket Center.

Students begin to prepare for the event each year during the fall semester. They must design, build and test a sturdy, collapsible, lightweight vehicle that addresses engineering problems similar to those overcome by the original Apollo-era lunar rover development team at NASA's Marshall Space Flight

ENCYCLOPÆDIA Britannica Kids
kids.eb.com

Great Moonbuggy Race held

April 13, 2010 - A team from Germany won the high school division of NASA?s Great Moonbuggy Race and a team from Puerto Rico took first place in the college division. Both teams are veterans of the race.

THE 17th Annual Great Moonbuggy Race, organized by the NASA?s Marshall Space Flight Center in Huntsvile, Alabama, was held in Huntsville last weekend It challenges students to design, build and race lightweight, human-powered buggies that tackle many of the same engineering challenges dealt with by Apollo-era lunar rover developers at the Marshall Center in the late 1960s.

The International Space Education Institute, known among moonbuggy racers as "Team Germany," has been a prominent contender in the competition since they debuted in 2007 as the German Space Education Institute. Their team this year included two Russian students, reflecting the school's expanded international scope.

The University of Puerto Rico in Humacao - the only school in the world to enter a moonbuggy in every race since the event was founded in 1994 - won the second-place prize in 2009, and finally took home first place in this, their 17th appearance.

The teams bested more than 70 teams from 18 states, Puerto Rico, Canada, Germany, India and Romania. More than 600 drivers, engineers and mechanics - all students - gathered with their team advisors and cheering sections to take part in the event.

The winning teams posted the fastest vehicle assembly and race times in their divisions and received the fewest on-course penalties. The International Space Education Institute finished the roughly half-mile course - twisting curves, treacherous gravel pits and other obstacles simulating lunar surface conditions - in just 3 minutes 37 seconds. The University of Puerto Rico at Humacao posted a time of 4 minutes 18 seconds.

Department of
MECHANICAL ENGINEERING
THE UNIVERSITY OF UTAH

Utah Mechanical Engineering Students Place 2nd in NASA Moonbuggy Race

Huntsville, Alabama| The University of Utah's moonbuggy team finished second place in NASA's 17th annual Great Moonbuggy Race on Saturday, April 10, 2010 where they competed against 70 teams from 18 states, Puerto Rico, Germany and Canada.

The Great Moonbuggy Race is organized by NASA's Marshall Space Flight Center in Huntsville, Alabama where the original Apollo-era lunar rovers were developed. The purpose of the competition is to challenge students to design and build a moonbuggy that can navigate a half-mile course with multiple obstacles that simulate lunar surface conditions.

The University of Utah team made up of students from the Department of Mechanical Engineering finished behind students from University of Puerto Rico in Humacao.

redOrbit

Download full size image

Winners of 17th Annual Great Moonbuggy Race Announced

Posted on: Monday, 12 April 2010, 08:40 CDT

NASA has announced the victors in the 17th annual Great Moonbuggy Race: The team representing the International Space Education Institute of Leipzig, Germany, won the high school division; and racers from the University of Puerto Rico in Humacao took first place in the college division.

The teams bested more than 70 teams from 18 states, Puerto Rico, Canada, Germany, India and Romania. More than 600 drivers, engineers and mechanics -- all students -- gathered with their team advisors and cheering sections to take part in the matchup of wits and wheels at the U.S. Space & Rocket Center April 9-10 in Huntsville, Ala.

The race is organized by NASA's Marshall Space Flight Center in Huntsville. It challenges students to design, build and race lightweight, human-powered buggies that tackle many of the same engineering challenges dealt with by Apollo-era lunar rover developers at the Marshall Center in the late 1960s.

The International Space Education Institute, known among moonbuggy racers as "Team Germany," has been a prominent contender in the competition since they debuted in 2007 as the German Space Education Institute. Their team this year included two Russian students, reflecting the school's expanded international scope.

The University of Puerto Rico in Humacao -- the only school in the world to enter a moonbuggy in every race since the event was founded in 1994 -- won the second-place prize in 2009, and finally took home first place in this, their 17th appearance.

The winning teams posted the fastest vehicle assembly and race times in their divisions and received the fewest on-course penalties. The International Space Education Institute finished the roughly half-mile course -- twisting curves, treacherous gravel pits and other obstacles simulating lunar surface conditions -- in just 3 minutes 37 seconds. The University of Puerto Rico at Humacao posted a time of 4 minutes 18 seconds.

Finishing in second place this year in the high school division was Fajardo Vocational High School of Humacao, Puerto Rico, which entered the competition for the first time in 2009. Third place in the high school division yielded a tie: race newcomer Jupiter High School of Jupiter, Fla., matched perennial top-three winner Huntsville Center for Technology Team 1 of Huntsville, Ala. -- who also tied last year for the top high school trophy.

The University of Utah from Salt Lake City won second place in the college division, boosting them onto the trophy platform for the first time since they debuted in the race in 2007; and the Rhode Island School of Design from Providence, R.I., took home third place in their first race appearance -- despite having no engineers on their team (all team members are industrial design students).

Race organizers presented both first-place winners with trophies depicting NASA's original lunar rover. NASA also gave plaques and certificates to every team that competed.

The first-place high school team also received $500 and a week at Space Camp, courtesy of race sponsors ATK Aerospace Systems of Huntsville. ATK awarded the second- and third-place high school teams $250 each. Race sponsor Lockheed Martin Corp. of Huntsville also presented the

WAFF48NEWS We TRACK
WAFF.COM

NASA'S 17th Annual Great Moonbuggy Race

Posted: Apr 11, 2010 5:08 PM
Updated: Apr 11, 2010 5:08 PM

HUNTSVILLE, AL (WAFF) - The U.S. Space and Rocket Center played host to the second day of NASA's 17th Annual Great Moonbuggy Race. 75 high school and college teams from across the United States and several foreign countries put their moonbuggies to the test today.

Organizers set up a half-mile course for the teams to tackle, with plenty of obstacles along the way. Unfortunately, those obstacles stopped several teams from crossing the finish line.

NASA started the race nearly two decades ago to promote the principles of engineering and innovation in young people.

The University of Puerto Rico at Humacao won the collegiate division and the International Space Education Institute from Germany took home the gold in the high school division.

The Local
GERMANY'S NEWS IN ENGLISH

Germany triumphs in NASA's 'Great Moonbuggy Race'

Published: 11 Apr 10 12:12 CET

"Team Germany" from Leipzig has won the US Space Administration's "Great Moonbuggy Race," where student design, build and race vehicles that tackle challenges faced by engineers of the lunar rover.

- Teacher reportedly made kiddie porn with pupils - National (2 May 10)
- 'Die Fremde' takes top honours at Tribeca Film Festival - Society (30 Apr 10)
- Teen expelled from Catholic school for leaving Church - National (30 Apr 10)

The four-person German team, from the Leipzig-based International Space Education Institute (ISEI), won first prize in the high-school division after a decisive race in Huntsville, Alabama on Saturday, NASA announced.

Stefan Martini from Munich and Stephanie Fleischer from Oberschleißheim, both 19, finished the roughly half-mile course with its twisting curves, gravel pits and other obstacles simulating lunar surface conditions, in 3 minutes 37 seconds.

"It was a tough race," said ISEI director Ralf Heckel. "The first four finishes were only four seconds apart."

A team from the University of Puerto Rico in Humacao won the first prize in the university division.

The teams beat out more than 70 other groups from 18 US states and Puerto Rico as well as from Canada, India and Romania.

Breaking News from The Huntsville Times
Local news updates from Huntsville and surrounding communities

Great Moonbuggy Race ends with German team on top

By Lee Roop, The Huntsville Times
April 11, 2010, 8:00AM

HUNTSVILLE, AL - Just beyond the space shuttle Pathfinder exhibit, the first of the moonbuggy riders chugged through the Great Moonbuggy Race course around 7:30 a.m. Saturday.

Eric Schultz / The Huntsville Times

An unconventional design caused this Kansas team problems at Saturday's race

There were riders in moonbuggies with three and four wheels, riders who crashed as they barreled around curves, riders who grimaced as they tried to climb hills, riders who had "Save Ares" signs on their bumpers.

There were riders from across the United States, Canada, India, Germany, Romania and Puerto Rico, among other places.
The first moonbuggy riders Saturday at the U.S. Space & Rocket Center were Steffi Fleischer and Stefan Martini of the International Space Education Institute in Leipzig, in eastern Germany.

They had finished first on Friday, the first day of NASA's Great Moonbuggy Race, now in its 17th year.

On Friday, they completed the course, 0.7 of a mile, in three minutes, 31 seconds. On Saturday, they finished with the same time.

After Saturday's run, they figured they had a good shot at winning - and they did, edging Fajardo Vocational High School of Puerto Rico for the high school title.

"This is kind of acceptance that Germans are still in the space and air world of technology in America," Fleischer said after the races ended around 3 p.m.

"Today, it's tougher than yesterday," Fleischer said after Saturday's run. "The obstacles are higher."

The Huntsville Times

Moonbuggy challenge grows

Sunday, April 11, 2010

By Mike Marshall

Times Staff Writer mike.marshall@htimes.com

On more difficult day 2, teams from Germany, Puerto Rico take titles

Just beyond the space shuttle Pathfinder exhibit, the first of the moonbuggy riders chugged through the Great Moonbuggy Race course around 7:30 a.m. Saturday.

There were riders in moonbuggies with three and four wheels, riders who crashed as they barreled around curves, riders who grimaced as they tried to climb hills, riders who had "Save Ares" signs on their bumpers.

There were riders from across the United States, Canada, India, Germany, Romania and Puerto Rico, among other places.

The first moonbuggy riders Saturday at the U.S. Space & Rocket Center were Steffi Fleischer and Stefan Martini of the International Space Education Institute in Leipzig, in eastern Germany.

They had finished first on Friday, the first day of NASA's Great Moonbuggy Race, now in its 17th year.

On Friday, they completed the course, 0.7 of a mile, in three minutes, 31 seconds. On Saturday, they finished with the same time.

After Saturday's run, they figured they had a good shot at winning - and they did, edging Fajardo Vocational High School of Puerto Rico for the high school title.

"This is kind of acceptance that Germans are still in the space and air world of technology in America," Fleischer said after the races ended around 3 p.m.

"Today, it's tougher than yesterday," Fleischer said after Saturday's run. "The obstacles are higher."

Moonbuggy challenge grows

On more difficult day 2, teams from Germany, Puerto Rico take titles

By Mike Marshall
Times Staff Writer
mike.marshall@htimes.com

Just beyond the space shuttle Pathfinder exhibit, the first of the moonbuggy riders chugged through the Great Moonbuggy Race course around 7:30 a.m. Saturday.

There were riders in moonbuggies with three and four wheels, riders who crashed as they barreled around curves, riders who grimaced as they tried to climb hills, riders who had "Save Ares" signs on their bumpers.

There were riders from across the United States, Canada, India, Germany, Romania and Puerto Rico, among other places.

The first moonbuggy riders Saturday at the U.S. Space & Rocket Center were Steffi Fleischer and Stefan Martini of the International Space Education Institute in Leipzig, in eastern Germany.

They had finished first on Friday, the first day of NASA's Great Moonbuggy Race, now in its 17th year.

On Friday, they completed the course, 0.7 of a mile, in three minutes, 31 seconds. On Saturday, they finished with the same time.

After Saturday's run, they figured they had a good shot at winning – and they did, edging Fajardo Vocational High School of Puerto Rico for the high school title.

Eric Schultz/The Huntsville Times

The Purdue University moonbuggy team bounces over an obstacle during the 2010 Great American Moonbuggy Race at the U.S. Space & Rocket Center Saturday.

"This is kind of acceptance that Germans are still in the space and air world of technology in America," Fleischer said after the races ended around 3 p.m.

"Today, it's tougher than yesterday," Fleischer said after Saturday's run. "The obstacles are higher."

The course has 17 obstacles. Among them: craters, lava ridges and luna-tic curves.

"After the (first) hill, there is an obstacle that if you're too (fast), you're flying too high," Martini said. "It's difficult. Some teams are too fast."

About 75 high school and college teams participated in the two-day competition.

Huntsville Center for Technology I and Jupiter High School of Florida tied for third, and Arab High School II was fifth.

In the college competition, the University of Puerto Rico Humacao was the winner – the school's first win after being the only college to participate in all 17 years of the competition.

The University of Utah was second, the Rhode Island School of Design third, Ohio State fourth and Cameron University of Oklahoma fifth.

Rick Smith of the Marshall Space Flight Center Public Affairs Department said about 90 teams were expected, but some international teams had transportation problems.

The team from the International Space Education Institute had problems, too.

"We transported (the moonbuggy) in six bags for the flight," Fleischer said.

The bags caused some security issues.

"They said, 'Is this a bomb?'" she said.

But they made it to the race for the fourth straight year. Each year, the institute has collected an award: best rookie team in 2007, most improved last year, sixth-place finish in 2008 and last year.

"We wanted to follow our forefathers, like Wernher von Braun," Martini said. "It's because of history that we're here."

Said Fleischer: "We want to do like our forefathers did in America."

Several local teams also participated. Among them were the Huntsville Center for Technology, which had two teams, and the Madison County Career Tech Center.

.One of teams for the Huntsville Center for Technology was second after the first day of competition.

"We did the whole race in second gear," said Dmitry Bondarenko, one of eight moonbuggy riders from the center. "First gear broke at the start line."

A gallery of photos is posted at photos.al.com/huntsville-times.

celebrifi
All celebrity news, all the time

Great Moonbuggy Race ends with German team on top

The Huntsville Times - 11th Apr 2010

Eric Schultz / The Huntsville Times An unconventional design caused this Kansas team problems at Saturday's race HUNTSVILLE, AL - Just beyond the space shuttle Pathfinder exhibit, the first of the moonbuggy riders chugged through the Great Moonbuggy Race course around 7:30 a.m. Saturday. There were riders in moonbuggies with three and four wheels, riders who crashed as they barreled around curves, riders who grimaced as they tried to climb hills, riders who had "Save Ares" signs on their...

Comment on this story

Read full story at The Huntsville Times

In This Story


Puerto Rico

NASA


Romania


Rhode Island


Florida


Germany


Canada

Larger Photo

FOX10tv.com

Fairhope wins NASA moonbuggy award

Updated: Sunday, 11 Apr 2010, 6:50 PM CDT
Published : Sunday, 11 Apr 2010, 6:06 PM CDT

Ryan Coleman

HUNTSVILLE, Ala. (WALA) - NASA has announced the winners in the 17th annual Great Moonbuggy Race. The team representing the International Space Education Institute of Leipzig, Germany, won the high school division, and racers from the University of Puerto Rico in Humacao took first place in the college division.

The race is organized by NASA's Marshall Space Flight Center in Huntsville. It challenges students to design, build, and race lightweight, human-powered buggies that tackle many of the same engineering challenges dealt with by Apollo-era lunar rover developers at the Marshall Center in the late 1960s.

The race is hosted each year by the U.S. Space & Rocket Center.

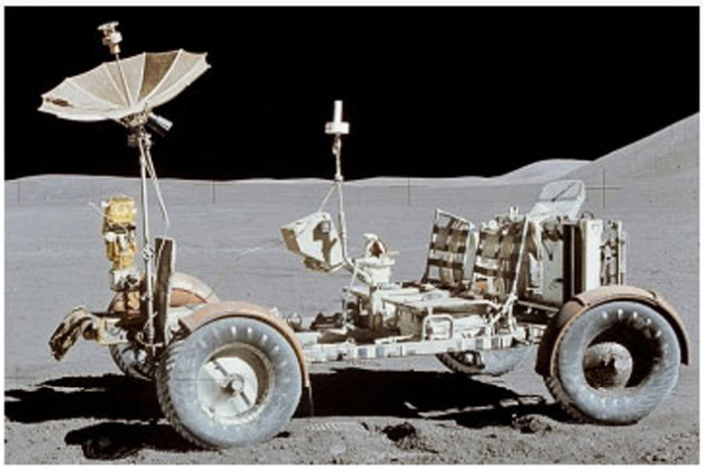
The team from Fairhope High School won the Most Improved Award for the most dramatically improved engineering and performance.

tonic

Students Get Set to Race to the Moon

BY DARRAGH WORLAND | FRIDAY, APRIL 9, 2010 6:07 PM ET

Students from around the world are set to compete in NASA's Great Moonbuggy Race this weekend.



More than 100 student teams from around the world are set to face off this weekend (April 9 and 10) in NASA's 17th annual Great Moonbuggy Race in Huntsville, Ala.

Participating students will race their own specially-designed lunar vehicles, built to be sturdy, collapsible and lightweight. The goal is to address the engineering problems presented by the moon's rugged terrain. The contest is inspired by the Apollo-era buggies driven across the moon's surface by astronauts in the space missions of the 1970s. The student moonbuggies are constructed of bike tires, aluminum and composite-metal parts.

Each moonbuggy must be human-powered and piloted by two students, one female and one male (props for gender equality!) Just as pairs of Apollo moonwalkers had to unload and prepare their lunar rover for travel, race drivers must be able to assemble their collapsed vehicle and carry it some 20 feet to the start of the race course, reports local NBC affiliate **WAFF**.

The half-mile course includes sand and gravel pits, lunar-type craters, humps, bumps and other obstacles. Top prizes are awarded to the three teams in the high school division and three in the college division that post the fastest buggy assembly and race times.

Some 1,088 high school, college and university students from 20 states and Puerto Rico, Canada, Germany, Bangladesh, Serbia, India and Romania will descend on the US Space and Rocket Center for the competition.

The Great Moonbuggy Race is organized annually by the Marshall Space Flight Center, and has been hosted by the US Space and Rocket Center since 1996. It's just one of many NASA initiatives designed to get the country's next generation of scientists, engineers and explorers interested in space projects. Past participants have indeed gone on to work for NASA as adults.

For more information about the competition, check out **NASA's Moonbuggy** page. You can also watch WAFF's live stream of the races below. Welcome to the space age!

Breaking News from The Huntsville Times
Local news updates from Huntsville and surrounding communities

Video: Great Moonbuggy Race at U.S. Space and Rocket Center draws more than 100 student teams

By Jon Busdeker, The Huntsville Times
April 09, 2010, 5:53PM

NASA's 17th Annual Great Moonbuggy Race draws more than 100 student teams

View full size Eric Schultz

The Lima (OH) Senior High School team passes the Saturn 1B at the 2010 Great American Moonbuggy Race at the U.S. Space and Rocket Center in Huntsville,

HUNTSVILLE, AL -- The **17th Annual Great Moonbuggy Race** kicked off today at the U.S. Space and Rocket Center.

More than 100 student teams from across the U.S. and around the world are in Huntsville competing at the event.

Sponsored by NASA, the Great Moonbuggy Race has students design, build and test moon buggies similar to those used on the Apollo 15, 16 and 17 missions.

During the races, students pedal around a course that weaves its way through the grounds of the U.S Space and Rocket Center. Along the way, the students encounter terrain that mimics the moon.

Races continue on Saturday starting at 7:30 a.m. The public is welcomed, and the event is free.

Click here to see the photo gallery

TIME Partners with CNN

NASA's Great Moonbuggy Race

To the Moon, Sort Of

On April 9 and 10, more than 600 students competed in the 17th annual Great Moonbuggy Race, organized by NASA, at the Marshall Space Flight Center in Huntsville, Ala. The competition invites teams to create vehicles that address the kinds of problems faced by the engineers who designed the original moon buggy. Seventy teams from 18 states — as well as Puerto Rico, Canada, Germany, India and Romania — competed in this year's race.

The warrior has landed: Jupiter High moonbuggy team brings home awards

JHS Moonbuggy Team includes, in the front, left to right, Matt Clayton and Malachi Rosenfeld; in the back row are, left to right, Derek Beckel, Eric Jalm, Alex Biby

JUPITER — In their very first year of competition, Jupiter High School captured 3rd place in NASA's 17th Annual Great Moonbuggy Race held on April 9 and 10 at the Marshall Space Flight Center in Huntsville, Ala.

The JHS/Pratt & Whitney Rocketdyne team competed against more than 70 teams (600 students) from the United States, Puerto Rico, Canada, Germany, India and Romania in the annual international competition.

The JHS/PWR team posted a 16-second assembly time and a record 3 minute 24 second race time with no penalties, for a composite time of 3:40. Jupiter's 3:24 race time was the fastest course time recorded this year and the 3rd fastest in the 17 year

Student Teams Ready For NASA's 17th Annual Great Moonbuggy Race

PDF PRINT EMAIL

Written by Annette Tucker
Thursday, 08 April 2010

Washington, DC - Nearly 100 student teams from around the globe, including Southeast Kansas, will drive their specially crafted lunar rovers through a challenging course of rugged, moon-like terrain at NASA's 17th annual Great Moonbuggy Race in Huntsville, Alabama, this Friday and Saturday. (April 9-10)

Erie High School, Elk Valley High School and Pittsburg State University will be representing Kansas. More than one thousand students from high schools, colleges and universities from 19 states and Puerto Rico, Canada, Germany, Serbia, India and Romania will race their specially crafted, two-person buggies against the clock at the Space & Rocket Center. Students begin to prepare for the event each year during the fall semester. They must design, build and test a sturdy, collapsible, lightweight vehicle that addresses engineering problems similar to those overcome by the original Apollo-era lunar rover development team at NASA's Marshall Space Flight Center in Huntsville in the late 1960s. Top prizes are awarded to the three teams in both the high school and college/university divisions that post the fastest race times, which include assembly and penalty times. Ustream - a one-stop shop for video, Facebook and Twitter updates -- will carry live coverage of the race from 7 a.m. to 6 p.m. Friday at **moonbuggy.msfc.nasa.gov**. The winners of the Great Moonbuggy Race will be posted Saturday to NASA's Marshall Space Flight Center Newsroom Web site: **www.nasa.gov/centers/marshall/news**

PRESS RELEASE
Date Released: Thursday, April 8, 2010
Source: Marshall Space Flight Center

17TH Annual NASA Great Moonbuggy Race Results Live on Ustream April 9; Results Posted on Marshall Newsroom Web Site April 10

What: The Web will be abuzz this year with coverage of the 17th annual NASA Great Moonbuggy Race, to be held April 9-10 at the U.S. Space and Rocket Center in Huntsville, Ala. Ustream - a one-stop shop for video, Facebook and Twitter updates -- will carry live coverage of the race from 7 a.m. to 6 p.m. CDT April 9 at http://moonbuggy.msfc.nasa.gov.

The winners of the Great Moonbuggy Race will be posted April 10 to NASA's Marshall Space Flight Center Newsroom Web site: http://www.nasa.gov/centers/marshall/news

Moonbuggy enthusiasts also can follow the NASA Great Moonbuggy Race on Facebook (http://www.facebook.com/moonbuggyrace) and Twitter (http://www.twitter.com/moonbuggyrace) April 9-10. NASA will "Tweet" updates throughout the race, including total race times for each team and the race winners.

When: Race winners and photos will be posted after 8 p.m. CDT April 10 at the conclusion of the competition. Racing begins: Friday, April 9 - First runs for high school and college competitors are scheduled from 7:30 a.m. to 6 p.m. CDT Saturday, April 10 - Second competitor runs are scheduled from 7:30 a.m. to 5 p.m. CDT

Who: Nearly 100 high school, college and university student teams from 19 states and Puerto Rico, Canada, Germany, Serbia, India and Romania will race their specially crafted, two-person buggies against the clock through a challenging course of rugged, moon-like terrain at the Space & Rocket Center.

Why: The NASA Great Moonbuggy Race began in 1994, inspired by the original lunar rovers developed for the Apollo moon missions in the 1970s by NASA Marshall Space Flight Center engineers. The race is one of dozens of educational projects and initiatives led by the Marshall Center each year to attract and engage America's next generation of scientists, engineers and explorers -- those who will carry on the nation's mission of exploration to uncharted destinations in the solar system.

News media interested in covering the event should contact the Marshall Center Public & Employee Communications Office at 256-544-0034 no later than 4 p.m. CDT Thursday, April 8.

For more event details, race rules, information on the course and photos from previous competitions, visit:

http://moonbuggy.msfc.nasa.gov For more information about NASA and its programs, visit:

http://www.nasa.gov

The Madison Florida Voice

NFCC students to compete in NASA Great Moonbuggy Race April 9-10

4-8-10

See live coverage of the event online April 9

MADISON, FL – Members of the North Florida Community College Astronomy Club are traveling to Huntsville, Ala. for the 17th annual NASA Great Moonbuggy Race, a NASA sponsored engineering challenge, at the U.S. Space and Rocket Center in Huntsville, Alabama April 9-10. Live coverage of the event will be available online from 7 a.m. to 6 p.m. CDT on Friday, April 9 at http://moonbuggy.msfc.nasa.gov. "You might be able to see Wiley Parker (Taylor County) or John Marinacci (Suwannee County) working on the buggy in the repair and modifications pit or Clint Murphy (Taylor County), McKinnley Workman (Tallahassee/Leon County) and Teresa Wren (Madison County) running the moonbuggy through the simulated lunar terrains as they compete with colleges from all over North America, Europe and Asia," said NFCC Astronomy Instructor Tony DeLia. You can also follow the NASA Great Moonbuggy Race on Facebook (http://www.facebook.com/moonbuggyrace) and Twitter (http://www.twitter.com/moonbuggyrace) April 9-10.

###

MORE INFORMATION – MARSHALL SPACE FLIGHT CENTER PRESS RELEASE (below)

Angela Storey | Marshall Space Flight Center, Huntsville, Ala. | 256-544-0034 | Angela.storey@nasa.gov

MEDIA ADVISORY: M10-027

17TH ANNUAL NASA GREAT MOONBUGGY RACE RESULTS LIVE ON USTREAM APRIL 9; RESULTS POSTED ON MARSHALL NEWSROOM WEB SITE APRIL 10

What:

The Web will be abuzz this year with coverage of the 17th annual NASA Great Moonbuggy Race, to be held April 9-10 at the U.S. Space and Rocket Center in Huntsville, Ala. Ustream – a one-stop shop for video, Facebook and Twitter updates — will carry live coverage of the race from 7 a.m. to 6 p.m. CDT April 9 at http://moonbuggy.msfc.nasa.gov.

The winners of the Great Moonbuggy Race will be posted April 10 to NASA's Marshall Space Flight Center Newsroom Web site: http://www.nasa.gov/centers/marshall/news

Moonbuggy enthusiasts also can follow the NASA Great Moonbuggy Race on Facebook (http://www.facebook.com/moonbuggyrace) and Twitter (http://www.twitter.com/moonbuggyrace) April 9-

Student rocketeers to display, launch rockets April 16-18

Marshall TV to stream live coverage of annual challenge via Ustream

Marshall Space Flight Center team members are invited to meet hundreds of student rocketeers from all over the country and cheer them on – in person or online – as they launch their sophisticated rockets during NASA's annual Student Launch Projects on April 16-18.

The annual rocket fair will be held April 16 from 11 a.m. to 1 p.m. in Activities Building 4316. College and university students will launch their rockets April 17. Middle and high school teams will launch April 18. Both events begin at 10 a.m. at Bragg Farms in Toney, Ala., approximately 20 miles north of Huntsville in Madison County.

For the first time, Marshall Television Services will stream the launch challenge live via the interactive broadcast platform Ustream. Watch at http://www.ustream.tv/channel/marshall-space-flight-center.

Each year, NASA's Student Launch Projects challenge students to blend practical engineering practices with sky-high creativity – and to pursue technical careers in fields involving science, technology, engineering and mathematics.

For more information and directions to the launch site, visit http://www.nasa.gov/pdf/436692main_SLI_Brochure.pdf.

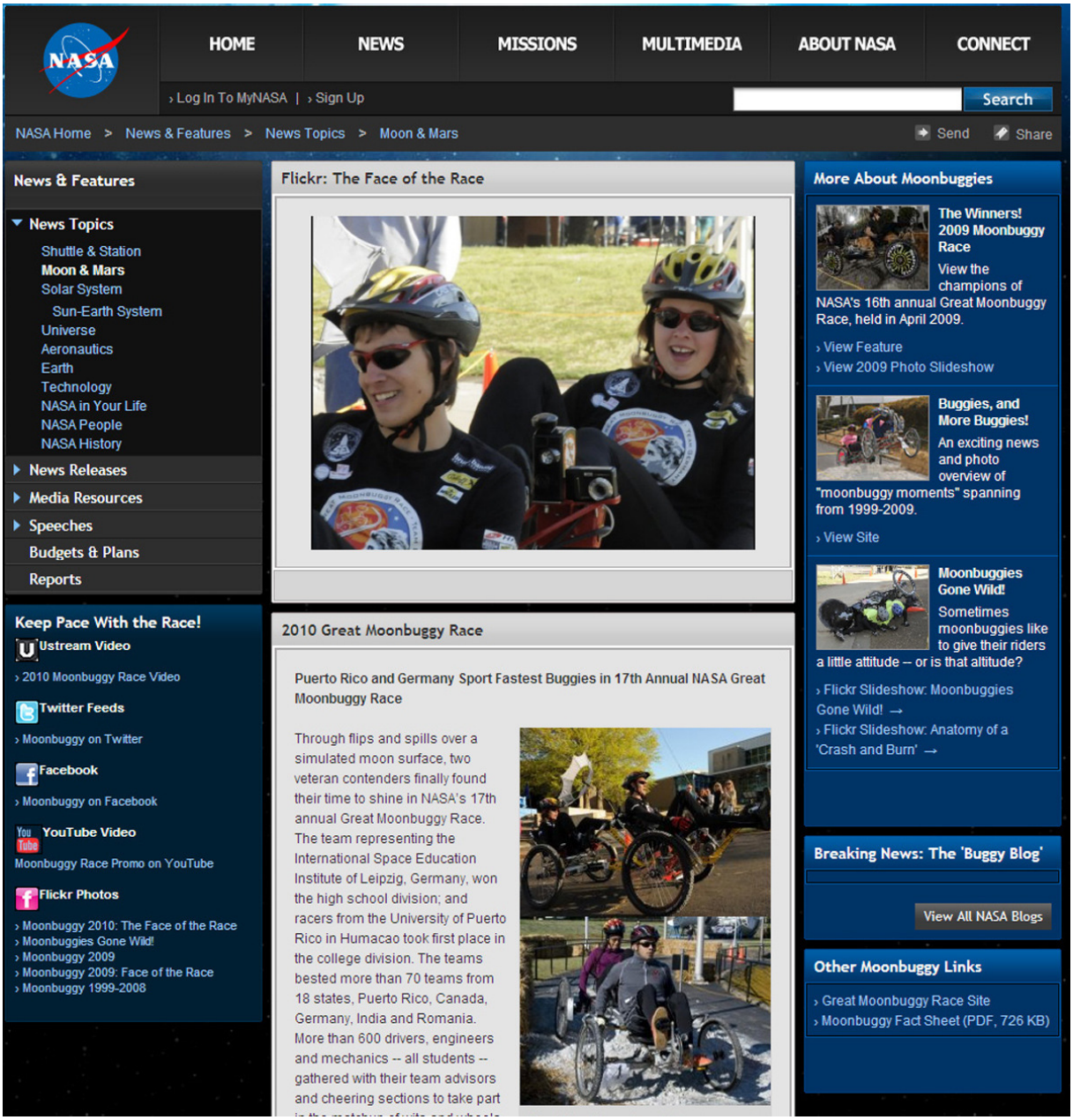
Great Moonbuggy Race brings crashes, smiles, new victors

Among the highlights of the 17th annual NASA Great Moonbuggy Race, held April 9-10 at the U.S. Space & Rocket Center, was the first-place upset victory by German moonbuggy drivers Steffi Fleischer, left, and Stefan Martini. Representing the International Space Education Institute in Leipzig, Germany, the duo unseated 2008-09 high school champions from Kansas and Alabama with a final race time of 3:37. "Team Germany," which this year included two Russian students, has competed in the race since 2007.

Angel Cepeda, front, and Stella Delgado pilot the moonbuggy for the University of Puerto Rico in Humacao to a first-place win in the college division. They finished the grueling course, which simulates the rough, cratered surface of the moon, with a best time of 4:18. The university has been represented in every moonbuggy competition since it began in 1994. After 17 years, the team goes home with a first-place trophy.

A teammate congratulates Cassie Maurer, driver for the rookie team from the Rhode Island School of Design in Providence, after Maurer and fellow driver Eric Peloquin raced their innovative, three-wheeled buggy to a third-place win in the college division. The team's win was unprecedented – not one member studies engineering. They're all industrial design majors. Nearly half of the 70 teams this year were race newcomers.

Revving up the moonbuggy crowd at the Space & Rocket Center were fans of the Lima Senior High School team from Lima, Ohio. Hundreds of spectators came out to root for their teams. Complete race results are available at http://www.nasa.gov/topics/moonmars/moonbuggy2010/moonbuggy_2010.html. To watch the complete race on Ustream, visit http://www.nasa.gov/topics/moonmars/moonbuggy2010/winning_teams_2010.html.


HOME
NEWS
MISSIONS
MULTIMEDIA
ABOUT NASA
CONNECT
› Log In To MyNASA | › Sign Up
Search
NASA Home > News & Features > News Topics > Moon & Mars
Send
Share
News & Features
News Topics
Shuttle & Station
Moon & Mars
Solar System
Sun-Earth System
Universe
Aeronautics
Earth
Technology
NASA in Your Life
NASA People
NASA History
News Releases
Media Resources
Speeches
Budgets & Plans
Reports
Keep Pace With the Race!
Ustream Video
› 2010 Moonbuggy Race Video
Twitter Feeds
› Moonbuggy on Twitter
Facebook
› Moonbuggy on Facebook
YouTube Video
Moonbuggy Race Promo on YouTube
Flickr Photos
› Moonbuggy 2010: The Face of the Race
› Moonbuggies Gone Wild!
› Moonbuggy 2009
› Moonbuggy 2009: Face of the Race
› Moonbuggy 1999-2008
Flickr: The Face of the Race
2010 Great Moonbuggy Race
Puerto Rico and Germany Sport Fastest Buggies in 17th Annual NASA Great Moonbuggy Race
Through flips and spills over a simulated moon surface, two veteran contenders finally found their time to shine in NASA's 17th annual Great Moonbuggy Race. The team representing the International Space Education Institute of Leipzig, Germany, won the high school division; and racers from the University of Puerto Rico in Humacao took first place in the college division. The teams bested more than 70 teams from 18 states, Puerto Rico, Canada, Germany, India and Romania. More than 600 drivers, engineers and mechanics -- all students -- gathered with their team advisors and cheering sections to take part
More About Moonbuggies
The Winners! 2009 Moonbuggy Race
View the champions of NASA's 16th annual Great Moonbuggy Race, held in April 2009.
› View Feature
› View 2009 Photo Slideshow
Buggies, and More Buggies!
An exciting news and photo overview of "moonbuggy moments" spanning from 1999-2009.
› View Site
Moonbuggies Gone Wild!
Sometimes moonbuggies like to give their riders a little attitude -- or is that altitude?
› Flickr Slideshow: Moonbuggies Gone Wild! →
› Flickr Slideshow: Anatomy of a 'Crash and Burn' →
Breaking News: The 'Buggy Blog'
View All NASA Blogs
Other Moonbuggy Links
› Great Moonbuggy Race Site
› Moonbuggy Fact Sheet (PDF, 726 KB)

fOTOGLIF

Pupils design Moonbuggy for NASA competition by European

Description

epa02098497 Pupils Stephanie Fleischer and Stefan Martini ride their 'Moonbuggy' in Leipzig, Germany, 30 March 2010. Both form part of a team of pupils that competes in a NASA Moonbuggy race on 08 April in the United States. The NASA competition demands to build a muscle-powered vehicle according to exact specifications like size and weight. The vehicle has to prove its competence on a demanding course. Over the last three years, 13- to 19-year-old

fOTOGLIF

Username Password Login

Please Login or Sign up | Forgot your Password?

Home | Sign up | Blog | About

CATEGORY: All | Entertainment | Sports | News | Creative

Search go

Pupils design Moonbuggy for NASA competition by European Pressphoto Agency

Description

epa02098495 Pupils Stephanie Fleischer and Stefan Martini ride their 'Moonbuggy' in Leipzig, Germany, 30 March 2010. Both form part of a team of pupils that competes in a NASA Moonbuggy race on 08 April in the United States. The NASA competition demands to build a muscle-powered vehicle according to exact specifications like size and weight. The vehicle has to prove its competence on a demanding course. Over the last three years, 13- to 19-year-old

QUICK EMBED Photo | Album

Size Medium Small

Width 468px 234px

Align Left Center Right

<div

SHARE WITH A FRIEND

Facebook Digg Twitter

EMAIL THIS ALBUM enter an email address and send

Send

fOTOGLIF

Username Password Login

Please Login or Sign up | Forgot your Password?

Home | Sign up | Blog | About

CATEGORY: All | Entertainment | Sports | News | Creative

Search go

Pupils design Moonbuggy for NASA competition by European Pressphoto Agency

Description

epa02098497 Pupils Stephanie Fleischer and Stefan Martini ride their 'Moonbuggy' in Leipzig, Germany, 30 March 2010. Both form part of a team of pupils that competes in a NASA Moonbuggy race on 08 April in the United States. The NASA competition demands to build a muscle-powered vehicle according to exact specifications like size and weight. The vehicle has to prove its competence on a demanding course. Over the last three years, 13- to 19-year-old

QUICK EMBED Photo | Album

Size Medium Small

Width 468px 234px

Align Left Center Right

<div

SHARE WITH A FRIEND

Facebook Digg Twitter

EMAIL THIS ALBUM enter an email address and send

Send

Canvasse opinion

GERMANY TRIUMPHS IN NASA'S 'GREAT MOONBUGGY RACE'

ADMIN ADD COMMENTS

"Team Germany" from Leipzig has won the US Space Administration's "Great Moonbuggy Race," where student design, build and race vehicles that tackle challenges faced by engineers of the lunar rover.

The four-person German team, from the Leipzig-based International Space Education Institute (ISEI), won first prize in the high-school division after a decisive race in Huntsville, Alabama on Saturday, NASA announced.

Stefan Martini from Munich and Stephanie Fleischer from Oberschleißheim, both 19, finished the roughly half-mile course with its twisting curves, gravel pits and other obstacles simulating lunar surface conditions, in 3 minutes 37 seconds.

"It was a tough race," said ISEI director Ralf Heckel. "The first four finishes were only four seconds apart."

A team from the University of Puerto Rico in Humacao won the first prize in the university division.

The teams beat out more than 70 other groups from 18 US states and Puerto Rico as well as from Canada, India and Romania.

"The Great Moonbuggy Race" recalls the challenges that engineers faced in the late 1960s, when they were designing the original Apollo-era lunar rover, which explored the surface of the moon in the early 1970s.

Students Compete in 'Great Moonbuggy Race'

March 10, 2010 – There are baby buggies, dune buggies and ATV buggies. But more than 100 student teams from around the world are trying to make a buggy that is, literally, out of this world.

Some 1,088 high school, college and university students from 20 states and Puerto Rico, Canada, Germany, Bangladesh, Serbia, India and Romania will drive their specially crafted lunar rovers through a challenging course of rugged, moon-like terrain at NASA's 17th annual Great Moonbuggy Race on April 9-10.

The race will be held at the U.S. Space and Rocket Center in Huntsville, Alabama.

Students have been preparing for the event since fall, designing, building, and testing their collapsible, lightweight vehicles. The vehicles must address engineering problems similar to those overcome by the original Apollo-era lunar rover development team at NASA's Marshall Space Flight Center in the late 1960s.

The buggies are based on the design of those classic rovers, which American astronauts drove across the moon's surface during the Apollo 15, 16 and 17 missions in the early 1970s. Teams of students are building their vehicles using trail bike tires, aluminum or composite metal struts and parts.

"NASA is committed to inspiring young people in science, technology, engineering and math, and the Great Moonbuggy Race is an excellent way for us to reach out to young people and get them excited and involved in technical opportunities available to them," said Mike Selby, an avionics technical assistant in the Marshall Center's Engineering Directorate.

For a list of this year's competitors, click here.

Top prizes will be awarded to the three teams in both the high school and college/university divisions that post the fastest race times, which include assembly and penalty times. A variety of other prizes are given by race corporate sponsors. These include "rookie of the year" and the "featherweight" award, presented to the team with the lightest, fastest buggy.

A team from Erie High School in Erie, Kansas, competes at NASA's 16th annual Great Moonbuggy Race in 2009. Photo credit: Great Moonbuggy Race

A team from Murray State University in Kentucky competes at NASA's 16th annual Great Moonbuggy Race in 2009. Photo credit: Great Moonbuggy Race

UPI.com
100 YEARS OF JOURNALISTIC EXCELLENCE

NASA gets ready for Great Moonbuggy Race

Published: March. 8, 2010 at 9:13 AM

HUNTSVILLE, Ala., March 8 (UPI) -- More than 1,000 high school and college students are expected in Huntsville, Ala., this week for NASA's 17th annual Great Moonbuggy Race.

Student teams from 20 states, as well as Puerto Rico, Canada, Germany, Bangladesh, Serbia, India and Romania are expected to participate in the two-day race that begins Tuesday over rugged, moon-like terrain at the U.S. Space and Rocket Center.

Space agency officials said the student teams must design, build and test a sturdy, collapsible, lightweight vehicle that addresses engineering problems similar to those encountered by the original Apollo-era lunar rover development team at NASA's Marshall Space Flight Center in Huntsville during the late 1960s.

Top prizes are awarded to the three teams in both the high school and college/university divisions that post the fastest race times. A variety of other prizes are given by the race's corporate sponsors, including the Lockheed Martin Corp., The Boeing Co., Jacobs Engineering ESTS Group and the Northrop Grumman Corp.

A list of this year's competitors and other information are available at http://moonbuggy.msfc.nasa.gov/email.html.

WORLDnews network

Teams Get Ready For 17th Annual Great Moonbuggy Race

redOrbit 2010-03-05

Posted on: Friday, 5 March 2010, 07:00 CST More than 100 student teams from around the globe will drive their specially crafted lunar rovers through a challenging course of rugged, moon-like terrain at NASA's 17th annual Great Moonbuggy Race in Huntsville, Ala., April 9-10. Some 1,088 high school, college and university students from 20 states and Puerto Rico, Canada, Germany, Bangladesh, Serbia,...

An 'off-world racing' pictorial:
NASA's 16th annual Great Moonbuggy Race

Erie High School Team II from in Erie, Kan., kicks off NASA's 16th annual Great Moonbuggy Race. Sixty-nine high school, college and university teams took off-road racing to an "off-world" extreme April 3-4 at the U.S. Space & Rocket Center in Huntsville. Erie Team II tied for first place with a Huntsville Center for Technology team. Both finished the event in 3:25.

The Lima Senior High School team from Lima, Ohio, hurries to right their buggy and get back on the track. The race course, dotted with gravel pits, sand traps and other obstacles, kept the pit area busy throughout the weekend. Racers wear seatbelts, helmets, gloves and pads to protect them from serious injury.

The Rochester Institute of Technology team from Rochester, N.Y., races toward a final time of 3:30 to win the college division, reclaiming the title won by the school in 2007. Winning teams post the fastest vehicle assembly and race times in their divisions and receive the fewest penalties during their runs.

Never underestimate the newcomers! The team from Arab High School in Arab, Ala., rolls into second place in their division with a final time of 4:01. More than a quarter of the teams this year were new to the event. The race was founded to honor the work of Marshall Center engineers who designed and built the original lunar rovers used in the Apollo moon missions in the early 1970s.

Punjab Engineering College racers from Chandigarh, India, bounce over an obstacle. A highlight of the race was the participation by 12 international teams, including longtime competitors from Canada and Germany and new teams from India and Romania.

Despite this rollover, Pana High School racers from Pana, Ill., posted the fifth fastest time in the high school division. And thanks to their protective helmets and gloves, neither student was injured. "I'm glad I was back at the starting line and didn't see that!" wrote team advisor Steve Bonser on the race's Facebook page. To learn more, visit Facebook and search for "Moonbuggy Race."

Marshall university affairs officer Dr. Frank Six addresses a crowd of racers, chaperones and supporters at the awards ceremony April 4 at the U.S. Space & Rocket Center. In her final blog entry on NASA's "Buggy Blog" (http://blogs.nasa.gov/cm/blog/moonbuggy), Team Germany racer Anne Geyer wrote of Six's speech: "He speaks of dreams that we can make become true, of an enthusiasm that was never as great as it is today, and of worlds waiting to be discovered by us. At the foundation of all this is the moonbuggy race."

Gregory Anderson, left, general manager of ATK Launch Systems of Huntsville, and Durlean Bradford, right, a Marshall education specialist in the Academic Affairs Office, present the race's first-place award to the Huntsville Center for Technology Team II, which tied with Erie High School. Team advisor Tim White, second from left, the school's precision machine technology teacher, led the school's teams to second and third place in 2008.

The Huntsville Times
newsstand | $1.16 home delivery WE BREAK MORE NEWS AT al.com SUNDAY / APRIL 5 / 2009 Classifieds: 532-4222

SCENES FROM SATURDAY

Ellen Hudson/Huntsville Times

t during an Easter egg hunt at n Drake Avenue. Holy Week day with a "Journey Through artwork. More photos on A18.

Eric Schultz/Huntsville Times

Demetrea Gooden, a junior mechanical engineering major, and Roderick McKenzie, a senior mechanical engineering major, drive the Alabama A&M moon buggy during The Great Moonbuggy Race at the U.S. Space & Rocket Center. Results on A18.

Bonnie Kelley picks out a kitten t Action Project group during a dog Leadership Huntsville/Madison Co

Moon buggy mishap

page A13

Eric Schultz/Huntsville Times

Jennifer Hunt, an aerospace engineering sophomore, and Charles Boyles, a mechanical engineering sophomore, competing in the UAHuntsville moon buggy, crash at one of the last obstacles during the race Saturday at the U.S. Space & Rocket Center. The team was able to get back up and finish the course.

Fastest times for the Great Moonbuggy Race at the U.S. Space & Rocket Center

First place in the 16th annual Great Moonbuggy Race high school competition ended in a tie here Saturday.

After two days of competition, Huntsville Center for Technology Team Two tied Erie High School (Kansas) with a time of 3 minutes, 25 seconds.

Second place went to Arab High School. This was Arab's first year to compete in the race held at the U.S. Space & Rocket Center, and it also received the Rookie Award.

Third place went to Huntsville Center for Technology's Team One.

There were eight Huntsville-area teams competing with 70 other teams from around the world.

Madison County Career Technical Center also had two teams. Team One finished with a time of 5:03, and Team Two finished at 5:21.

East Limestone High School finished with a time of 6:52.

In the college competition, Alabama A&M University finished with a time of 7:54, and the University of Alabama in Huntsville finished with a time of 13:04, but neither school placed in the top three.

From staff reports

Michael Mercier/Huntsville Times

The German team works to finish reassembling its moon buggy after bringing it from home to compete at the U.S. Space & Rocket Center this weekend.

German team to test moon buggy abilities

16th annual race draws a world of young engineers

By **STEVE CAMPBELL**
Times Staff Writer
steve.campbell@htimes.com

The Great Moon Buggy Race starts Friday, and from Huntsville to India nearly 90 teams of budding engineers are testing their simulated Lunar Roving Vehicles.

A team of German high school and college students arrived in Huntsville early for the 16th annual contest at the U.S. Space & Rocket Center. They're borrowing the garage at Huntsville Center for Technology this week to make tune-ups and test drives.

"We think this year we have (our) most potential to win the race," said Fabian Hoffman, an engineering major at a German university who has competed in the race before.

While confident, Hoffman and his teammates know how the bumpy race track can damage the pedal-powered vehicles, which are made from bicycle parts.

"We hope to get through the course with no problems," Hoffman said.

Meanwhile, the students at the Huntsville

Please see **BUGGY** *on* **A8**

Michael Mercier/Huntsville Times

Drivers Thommy Knave and Lisa Hartenstein pull the German entry in the Great Moon Buggy Race out of the garage for its maiden voyage in America.

REMEMBER THE '74 TORNADO? WE WANT TO HEAR FROM YOU.

The Huntsville Times

No change to Stone Manor plans

Reward is offered in arson series

German team to test moon buggy abilities

Huntsville Times
Frontpage, P.1
March 31, 2009

Buggy

Continued from page **A1**

Center for Technology are also preparing for a solid performance at the race, which is sponsored by NASA's Marshall Space Flight Center.

Senior and veteran moon buggy co-pilot Tiesha Salandy will man the back half of the school's buggy for competition Friday.

"Hopefully, we can finish first," she said.

But like the German team, Salandy knows how the harsh terrain can affect the ride.

"I just hope our buggy doesn't get stuck," she said.

To prepare for Friday's obstacle course, both teams practiced on the makeshift obstacle course at the school. After a few dozen yards of fierce pedaling on a flat surface, their buggies bumped and jerked violently over the old tires covered with gravel.

This weekend, the 88 teams will compete for the fastest time on a course seven-tenths of a mile long.

"You've got to be in great shape," said Tim White, a teacher at HCT who supervises the moon buggy project. "These kids are athletes."

Salandy has used an exercise bike a lot lately to prepare for this weekend. Meanwhile, she and her team have enjoyed tweaking their buggy and learning how to make it faster and sturdier.

"It's tiring sometimes, but it's fun," she said.

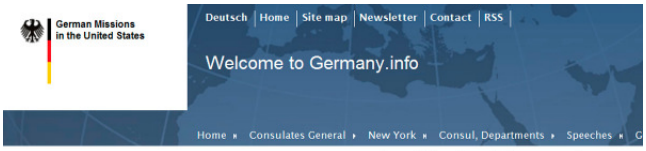
The first race is Friday at 7:30 a.m.

Want more?

The moonbuggy races begin at 7:30 a.m. Friday and Saturday at the U.S. Space & Rocket Center.

On the Net

http://moonbuggy.msfc.nasa.gov/index.html



Speech by Consul General Horst Freitag, Leadership, Achievement and Generosity: The 2008 Distinguished German-American of the Year Award, Philadelphia, PA

Dec 6, 2008

Mr. Bern E. Deichmann, President of the German-American Heritage Foundation of the USA,
Board of Directors,
Dr. Jesco von Puttkamer,
Distinguihed guests, Ladies and Gentlemen,

Good evening.

Thank you for inviting me to this wonderful event this evening. It is a privilege to be here and to attend the 22nd Annual Award & Fundraising Gala of the German-American Heritage Foundation of the USA. It is a pleasure to share with you the distinguished tradition in paying tribute to Americans of German-speaking ancestry and to celebrate our common heritage.

Americans of German speaking ancestry comprise an estimated 42 million people, almost 15 percent of the US population. They have contributed and contribute in so many ways to building this great nation. From Kurt Weill to Kurt Vonnegut, from Levi Strauss to Anheuser Busch, from Heinrich Steinway to Henry Kissinger, from Günter Blobel t Norman Schwarzkopf - and tonight allow me to particularaly highlight Wernher von Braun and his scholar and collegue Jesco von Puttkamer - these and many more distinguished persons have become legends, the careers have shaped political, economic, scientific and cultural life of tl US, and their names have become household names which travelled around the globe.

In fact, "few people have blended so completely into the multicultural tapestry of American society and yet have made such singular economi political, social, scientific and cultural contributions to the growth and success of the United states as have Americans of German extraction", was former President Reagan who choose these words of praise and admiration, when he established German-American Day 21 years ago. 4 million Americans can be proud: of their American patriotism and thei German speaking ancestry.

All these reasons make the mission of the German American Heritage Foundation so significanct: Preserving and promoting German heritage in language and culture throughout the United States and working together on vital issues of common concern is essential for fostering transatlantic understanding and cooperation. I would like to thank Mr. Deichmann as President and the Board members of the German Heritage Foundation for their unwaivering commitment and dedication in supporting the foundation and in leading it to new horizons: on October 15th you have acquired the famous Hockemeyer Hall in North West Washington DC. At this great location you will inaugurate the first National German-American Heritage Center of the USA next spring. Congratulation to you for this farsighted and wise decision.

With this promising perspective in mind we are here today to honor the exemplary leadership, the outstanding achievements and the genorosit of two remarkable Americans of German ancestry: Prof. Jesco Freiherr von Puttkamer - and posthumously - Wilma L. Schmidt, who both will receive the Distinguished German-American of the Year Award 2008.

Before we do, I would like to thank the Cannstatter Volksfest Verein, or of America's oldest and most active German-American organizations, fo being such a generous host and for providing this wonderfull setting and ambiente and the Kauriga Orchester for its enchating tunes.

Ladies and Gentlemen,

As you know, I have arrived in NY a couple of month ago So I have not had the opportunity, the pleasure and honor to personally meet Wilma Schmidt who passed away this mid-September at the age of 90. I know that many here in the audience have appreciated Wilma Schmidt as an extraordinary and charming lady - perhaps not a surprise for someone born in Göttingen and raised in Berlin combining the virtues of both cities. Wilma Schmidt was someone who loved music and liked to trave – and someone who believed in charity and volunteer work.

Without the generosity and incessant devotion of benefactors like Wilm L. Schmidt, even the German American Heritage Foundation could not survive, let alone thrive. One of her sincerest wishes was to see the German-American Heritage Center be established in Washington. It is thanks to individuals like her that this dream will come true. Sadly, she cannot experience the fruits of her generosity. I believe it is a most appropriate gesture that the Exhibit Hall of the German-American Heritage Center in Washington will bear her name.

Ladies and Gentlemen,
May I kindly invite you to observe a moment of silence to honor Wilma L. Schmidt.
Thank you.

Ladies and Gentlemen,
Jesco von Puttkamer is truly a most inspiring, ingenious and innovative person – inside or outside of NASA, on earth and who knows where. He has been honoured in various ways for his exceptional career and service to mankind. The letters of congratulations that he received today are vivid proof of his outstanding reputation.

Much has been said and written about him. He fascinates adults as well as students and children alike. Everyone reads his books and enjoy his shows and films.

In 1962 Wernher von Braun sent a cable calling on Jesco von Puttkamer then a young engineer in Aachen/Germany: "Come to Huntsville. We are going to the Moon". Jesco von Puttkamer replied instantly: "And where do we go from there?" Jesco von Puttkamer has always focused his attention far into outer space. For him the moon was a necessary, but not an ultimate stop, probably just a stopover to Mars.

An advocate for life on Mars and a visionary-in-chief for NASA, he is no devoting his experience and knowledge to the project "Vision for Space Exploration". The core goal of this endeavour is to build a sustainable presence of humans on the Moon, as mandated by President Bush in 2004. NASA's new fleet will retire space shuttles and take robotic explorers and ultimately human pioneers to Mars and possibly beyond.

I don't believe that the Distinguished German-American of the Year Award as ever been presented to a Martian. Well, today it is. Prof. Jesco von Puttkammer is a man from Mars - I dare say - and I mean that as a compliment: boundaries do not limit him as he reaches beyond the confines of Earth.

Jesco von Putkammer's life credo is, and allow me to quote in German: "Ein Land ohne Visionen hat eine Jugend ohne Perspektiven, und mit einer Jugend ohne Perspektiven erlebt so ein Land einen Werteverfall und hat keine Zukunft." – „A nation without visions has a youth with no prospects. And when a nation's youth has no prospects it is doomed to a depreciation of values and therefore has no future."

Your credo will live on into future generations. For you, human space flight is an ethical obligation to future generations. Indeed, pursuing your vision of space flight and exploration of outer space is an inspiration for young people, in particular in the US and in Germany.

Jesco von Puttkamer inspires not only as an exceptional visionary mind with a keen imagination – as a kind of John Lennon of Space. He embodies a unique combination of vision with practical skill and effective implementation.

As member of Wernher von Braun's Rocket Team at the Marshall Space Flight Center in Huntsville, Jesco von Puttkamer was key to the success of the Apollo landing programm. In 1974 he transferred to NASA headquarters and since then has significantly contributed to its many technical and scientific achievements such as the Skylab and the Space Shuttle programs.

His outstanding accomplishments have also had significant political impact.- during and after the Cold War. During the Cold War space activity was still defined by the arms race between the United States and the former Soviet Union. After the Cold War, in 1998, the International Space Station ISS was launched. Again, Jesco von Puttkamer participated in its creation and advocated international space cooperation.

Today, the ISS serves as an example that former Cold War adversaries cooperate in an international alliance in the universe - together with Europe, Canada and Japan. It is the greatest human outpost in space and laid the foundation of a new era of space relations. Starting from 2010, all astronauts bound for the ISS will leave from Star City, Russia. And this September three Chinese taikonauts experienced their first space walk. And I am sure that Jesco von Puttkamer will agree, when I express our hope that China will be fully integrated into the international space cooperation.

As member of Wernher von Braun's Rocket Team at the Marshall Space Flight Center in Huntsville, Jesco von Puttkamer was key to the success of the Apollo landing programm. In 1974 he transferred to NASA headquarters and since then has significantly contributed to its many technical and scientific achievements such as the Skylab and the Space Shuttle programs.

His outstanding accomplishments have also had significant political impact.- during and after the Cold War. During the Cold War space activity was still defined by the arms race between the United States and the former Soviet Union. After the Cold War, in 1998, the International Space Station ISS was launched. Again, Jesco von Puttkamer participated in its creation and advocated international space cooperation.

Today, the ISS serves as an example that former Cold War adversaries cooperate in an international alliance in the universe - together with Europe, Canada and Japan. It is the greatest human outpost in space and laid the foundation of a new era of space relations. Starting from 2010, all astronauts bound for the ISS will leave from Star City, Russia. And this September three Chinese taikonauts experienced their first space walk. And I am sure that Jesco von Puttkamer will agree, when I express our hope that China will be fully integrated into the international space cooperation.

Time does not permit to mention all the accomplishments Jesco von Puttkamer deserves credit for. But I would like to draw your attention to some of his achievements, which may not be that well known, but which are essential in fostering transatlantic ties.

Jesco von Puttkamer is a devoted advocate for space education. And just as he reaches beyond the confines of earth, he reaches beyond borders on earth itself. Close cooperation between NASA and the European Space Agency ESA has always been important to him. Jesco von Puttkamer's transatlantic efforts to build on these common European-American interests deserve special appreciation.

He helped create the "German Space Education Institute" in his birth city Leipzig, where he encourages the extracurricular advancements of prospective engineers and scientists. In April 2007 - sponsored by the German Space Education Institute - a group of six German students, ages 13 to 17, for the first time participated in the "Great Moon buggy Race" in Huntsville / Alabama.

Jesco von Puttkamer is famous for his TV lectures in Germany and also for the Science Fiction literature he wrote during his time as an engineering student to pay for his studies. He also worked as Technical Advisor to Paramount Pictures for "Star Trek – The movie" of 1979. True to himself he coined the famous slogan: "Space – the Human Adventure is just beginning."

Ladies and Gentlemen,
It is the merit of science and research that allows humans not to only look, but also to reach for the stars. Both disciplines help mankind to explore the new frontiers of the 21st century. Understanding the philosophical nature of human existence and aiming to provide answers for the future is a daunting and tempting challenge for mankind. It takes men like Jesco von Puttkamer to teach us how to look beyond the horizon and to share the ambition to consider what today seems inconceivable to be within reach.

Americas space program has been inspirational to the world. It has made landmark scientific discoveries. And it is the contribution of German-born Americans that helped shape space research and industry from the beginning. Jesco von Puttkamer, born in Leipzig, has been an instrumental part of this endeavor for 46 years and his outstanding and distinguished career has been intertwined with the historic accomplishments of human space flight for half a century.

It is more than fitting that you, Jesco von Puttkamer, receive the nationally recognized and prestigious 2008 Distinguished German-American of the Year Award at a time when America celebrates the 400th anniversary of the Jamestown settlement and we remember the first courageous German pioneers to arrive there in 1608. And it is as appropriate that today's celebration takes place in the City of Brotherly Love – where 325 years ago the first German families settled in Germantown.

GREAT MOONBUGGY RACE

Robin Conn/Huntsville Times

Huntsville Center for Technology team members Hunter Lee, left, and Sara Crum take a trial run on the school's new moonbuggy Wednesday.

Riders are working bugs out of moonbuggies for weekend

Some old competitors are back for annual race

By KENNETH KESNER
Times Staff Writer
kenneth.kesner@htimes.com

A helmeted Hunter Lee strapped himself into the front seat of "Luna Currus" - moon chariot - at the Huntsville Center for Technology Wednesday morning, getting ready to take the shiny, new, black moonbuggy out on a rough practice track.

He'll be one of the riders when the Center for Technology goes for a three-peat – the center's third world championship in a row – at NASA's 15th Annual Great Moonbuggy Race this weekend at the U.S. Space & Rocket Center.

"I've got some pressure on me," said Lee, a Huntsville High senior. He's been hitting the gym to be in top form when he and his teammates drive their pedal-powered moonbuggy around the 0.7 mile course, and said he feels "good. Very good."

Friday, the center's two teams will again face high schools from across the country, Puerto Rico and even Germany. A total of 62 high school and college teams are competing.

In the spirit of friendly competition, the German high school team dropped by the Center for Technology Wednesday to meet the Rocket City riders and young engineers. They watched as Lee and his co-pilot that morning, Huntsville High junior Sara Crum, flew over obstacles during a practice run.

"It's not fair! They have an engine inside!" said a smiling Ralf Heckel, the adviser and team leader for the Germans, after watching Lee and Crum. "It *must* be an engine."

Students must design and build the human-powered moonbuggies. The vehicles must seat two – one male and one female – and be folded to fit into a 4-foot-square space, imitating the way the original moon rovers designed in Huntsville in the 1960s were folded to fit aboard the Apollo lunar module. Each must also include items that simulate original rover equipment such as batteries, a TV cam-

Please see **RIDERS** *on* **A4**

Want to go?

What: NASA's 15th Annual Great Moonbuggy Race
When: 8 a.m. to 5 p.m., Friday (high school) and Saturday (college)
Where: U.S. Space & Rocket Center
How much?: Admission for a day of racing is $5 per person

On the Net

http://moonbuggy.msfc.nasa.gov

Riders

Continued from page **A1**

era, a dish radio antenna and more.

The team must carry its moonbuggy to the starting line, then unfold and assemble it. After the moonbuggies are inspected, they will make two runs on the Space Center's 0.7-mile course. It's gravely and is designed to mimic the hazards on the lunar surface and has torn up more than one moonbuggy during previous competitions. Different riders are allowed on the different runs, and the buggy has to be assembled only once.

Tim White, precision machining instructor and adviser for the Center for Technology's moonbuggy teams, pointed out that the students learn about much more than just engineering, manufacturing or machining. Along the way to the race they also learn about teamwork, deadlines, budgets and working with their sponsors from local industry.

He's been at the Center for Technology for 21 years, and the center has been in the moonbuggy races since 2002.

"This is, by far, the best program that we've been involved in," White said, pointing to the crowd of students and guests gathered to watch the practice. "You can see right here the results. Our whole school has to pull together."

Principal Eddie Turner was happy the German team visited and the students and sponsors had another chance to meet.

"It provides some enthusiasm for our students," he said. "They like that it's an international competition."

This year, both Alabama A&M University and the University of Alabama in Huntsville are in the college competition on Saturday.

UAH fielded teams in some of the early moonbuggy races, but hasn't entered for a long time. This year, the American Society of Mechanical Engineers student section decided to roll back into the competition, said their faculty adviser, Dr. Gerald Karr, a professor of mechanical and aerospace engineering.

He said the team has about 13 students, including captain Eric Becnal, and that faculty and staff also became involved.

A&M's Team Bulldog is hoping for a powerful comeback from the bad luck they had last year when their moonbuggy broke a shock absorber in the race's first heat. The team was able to overcome the disaster to finish the race.

Bulldog team leader Phillip Evans said they have applied lessons from that experience to engineering this year's moonbuggy. The 2008 model is made of lighter materials and has a better suspension.

Evans, a senior from Mobile majoring in mechanical engineering, said he loved working on the project.

"I've always had the aspiration to do design work. And I'm very into cars," he said. "It was great. It was good to do a lot of hands-on work for this."

Robin Conn/Huntsville Times

Huntsville Center for Technology Principal Eddie Turner, right, talks to a team of high school students from Germany about the school's moonbuggy.