ASPRS Central Region

Central Region Newsletter
American Society for Photogrammetry & Remote Sensing

Volume 20, Issue III September 2008

Inside this issue:

GeoEye-1 Satellite Launches Into Space From Vandenberg Air Force Base, California

PRNewswire-FirstCall
DULLES, Va. (NASDAQ:GEOY)
DULLES, Va., Sept. 6 /PRNewswire-FirstCall/ -- GeoEye, Inc. (NASDAQ: GEOY), a premier provider of satellite, aerial and geospatial information, announced today the successful launch and deployment of GeoEye-1, the world's highest resolution, commercial Earth-imaging satellite.
(Logo: http://www.newscom.com/cgi-bin/prnh/20080625/LAW528LOGO)

GeoEye's ground station in Norway relayed the downlink signal it received from GeoEye-1 confirming that the satellite successfully separated from the second stage of the launch vehicle and began automatically initializing its onboard systems.

Bill Schuster, GeoEye chief operating officer, said, "Based upon the data we saw, the satellite is performing properly and ready to begin the next

Geoeye-1 blasts off on a Delta Rocket

(Continued from page 1)

phase towards meeting its mission requirements." GeoEye-1 will now undergo a calibration and check-out period before imagery products will be available for sale.

Matthew O'Connell, GeoEye chief executive officer, said, "Later this fall, we will start providing high-resolution color imagery of the Earth from our newest satellite to customers around the globe. The imagery from GeoEye-1 adds to the quantity and quality of that currently provided by our IKONOS satellite, and together this magnificent constellation will enable us to meet world-wide customer demand."

O'Connell added, "This launch, and our important relationship with the National Geospatial-Intelligence Agency (NGA), shows how public-private partnerships can be successful for the collection of broad areas of the Earth. And all our customers can be assured of continued access to quality products and first-class customer service."

GeoEye-1 is part of the NGA NextView program. The NextView program is designed to ensure that the NGA has access to commercial imagery in support of its mission to provide timely, relevant and accurate geospatial intelligence in support of national security. GeoEye won its $500-million NextView contract in September 2004 and was able to build and launch GeoEye-1 without any contract cost overruns in less than four years after contract award.

GeoEye-1 will simultaneously collect 0.41-meter ground resolution black-and-white (panchromatic) images and 1.65-meter color (multispectral) images. Designed to take digital images of the Earth from 423 miles (681 kilometers) and moving at a speed of about four-and-a-half miles (seven kilometers) per second, the satellite camera can distinguish objects on the Earth's surface as small as 0.41-meter or 16 inches in size. Due to U.S. licensing restrictions, commercial customers will get access to imagery at half-meter ground resolution.

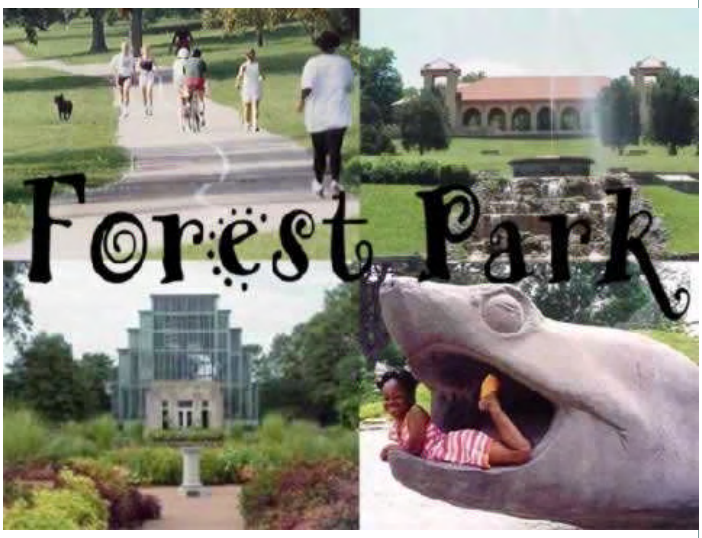
GeoEye-1 was built by General Dynamics Advanced Information Systems in Gilbert, Ariz. The imaging system was built by ITT in Rochester, NY. ITT is also building the imaging system for GeoEye-2 slated for launch in 2011. The 4310-pound satellite was launched at 11:50 a.m. PDT on a United Launch Alliance Delta II rocket from Vandenberg Air Force Base in California. The launch of GeoEye-1 marks the 83rd consecutive successful launch of the Delta II rocket.

About GeoEye

GeoEye is the premier provider of geospatial information for the national security community, strategic partners, resellers and commercial customers to help them better map, measure and monitor the world. The Company is recognized as the industry's trusted imagery expert for delivering reliable service and the exceptional quality of its imagery products and solutions. It operates a constellation of Earth imaging satellites, mapping aircraft and has an international network of ground stations, a robust imagery archive, and advanced imagery processing capabilities for developing innovative geospatial products and solutions. The Company also provides support to academic institutions and non-governmental organizations through the GeoEye Foundation. Headquartered in Dulles, Virginia, GeoEye is a public company listed on the Nasdaq stock exchange under the symbol GEOY. It maintains a comprehensive Quality Management System (QMS) and has achieved company-wide ISO accreditation. For more information, visit http://www.geoeye.com/.

Central Region Teams up with St. Louis Region in SAME Golf Tournament in Forest Park.

On Wednesday September 10th Eric Cenovich and Scott Perkins of Western Air Maps (WAM) were joined by Don Giarraffa and Mr. Heidbreder of NGA in the Society of American Military Engineers (SAME) St. Louis Post scholarship golf tournament. The tournament was held in beautiful Forest Park.



As you may know Bill Heidbreder is the former ASPRS National Director for the St. Louis Region and currently serves as the St. Louis Region president.

The event also served as a small Purdue University class reunion, Cenovich and Heidbreder were classmates in the Photogrammetric Engineering masters program 33 years ago!

The team played well posting a score of 64 (six under par) taking an impressive second place in the tournament.

The tournament is the foundation for the St. Louis Post Education and Mentoring fund. With this fund the Post is able to award annual scholarships to three college students that are pursuing an engineering or science-related degree.

Jerrard Ellerbe Fundraiser

Dear Central Region Members,

Late last month I sent out a communication to let you know of the untimely passing of Jerrard Ellerbe. I mentioned at the time that the family was setting up a trust to collect donations for Jerrard's two small children, Ryann (3) and Andrew (7 months). UPromise College Funds are ready to start collecting donations.

Last week, the central region officers and board voted to match up to $500 dollars contributed by our members into the children's college funds. We would like to make it as easy as possible to donate to the fund. The Central Region is ready to collect your contributions, match them and send them on to the UPromise College Funds for Ryann and Andrew Ellerbe. If you would like to donate, please send your contribution to:

ScottPerkins
Western Air Maps Inc
8909 W 105th ST
Overland Park, KS 66212-5520

Make checks payable to ASPRS Central Region

If you would prefer, you can make contributions of $ 50 or more directly to the funds by filling out the forms available on the ASPRS web site at http://www.asprs.org/ellerbe/ . Please contact me if you have any questions.
Thank you,
Mike Flynn

President, ASPRS Central Region
5700 Broadmoor St., Suite 800
Mission, KS 66202
Phone 913.981.9580
Email flynn.mike@geoeye.com

ASPRS Members Renslow and Madden Elected to ISPRS Positions

Two ASPRS members were successful in their campaigns to win positions with the International Society for Photogrammetry and Remote Sensing (ISPRS). During the XXI ISPRS Congress, held in Beijing, China July 3-11, Michael Renslow, an ASPRS past president, was elected Treasurer of the ISPRS Council for a four-year term. ASPRS Immediate Past President Marguerite Madden was elected President of ISPRS Commission IV, which covers Geodatabases and Digital Mapping, also for a four-year term.

Renslow succeeds Stan Morain, also an ASPRS past president, who has served on the ISPRS Council as Treasurer since 2004. Renslow runs Renslow Mapping Services and is the Technical Editor of PE&RS. He served as Treasurer of ASPRS for five years (2000 to 2005) and currently serves as Treasurer of the ASPRS Foundation.

Madden succeeds Shailesh Nayak of the Indian Space Research Organization, who has presided over Commission IV for the term 2004-2008. Madden is a Professor in the department of Geography at the University of Georgia and Director of the Center for Remote Sensing and Mapping Science. Commission IV oversees the work of numerous Working Groups that cover topics including:

- Development, access and management of spatio-temporal databases
- Spatial data infrastructures
- Image-based geospatial databases
- Data libraries, data clearinghouses, data warehouses, distributed archives and access to remote data sources, including metadata and digital data standards
- Web based access, retrieval and dissemination of spatial data, including web-based location-based services and geosensor networks
- Integration of spatial information systems and image analysis for database-driven change detection, data capture and updating

- Dynamic spatial information systems, spatial data revision and versioning
- Interfacing 3D/4D models with facility management systems
- Database generation for digital topographic and thematic mapping (including orthoimages and digital terrain models)
- Digital landscape modeling and visualization, and large scale urban models
- Global environmental databases and mapping
- Extraterrestrial mapping and spatial information systems
- Analysis of systems and their components for automated and semi-automated digital mapping and geoinformation systems
- Analysis of industry needs and design of systems for production and update of Geoinformation

"ASPRS has a long and noteworthy history of supporting ISPRS, in particular contributing to its strong leadership," said ASPRS Executive Director James Plasker. "The General Assembly's approval of these two candidates ensures that ASPRS's commitment will continue into the future."

Founded in 1934, ASPRS is an international professional organization of 6,000 geospatial data professionals. ASPRS is devoted to advancing knowledge and improving understanding of the mapping sciences to promote responsible application of photogrammetry, remote sensing, geographic information systems and supporting technologies.

For Immediate Release
Contact: Anna Marie Kinerney
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ASPRS Announces Certification of the First Remote Sensing Technologist

Chad Lopez is the first Remote Sensing Technologist to complete the requirements for certification under the American Society for Photogrammetry and Remote Sensing (ASPRS) certification program for technologists. Lopez specializes in processing, analyzing and classifying satellite and aerial imagery.

He has worked with Fugro EarthData, Inc. (formerly EarthData International) since 2005 as a Senior Digital Imaging Analyst. He is currently working in shallow-water benthic habitat mapping of the southern Texas coast from 2m ADS40 multispectral imagery; and land cover/land use mapping in South Carolina from 6in ADS40 multispectral imagery. Lopez has made numerous conference presentations on his work and holds a B.S. degree in marine science and biology from the University of Alabama and a M.S. degree in marine sciences from the Uni-

versity of South Alabama.

Lopez noted that Fugro EarthData, Inc. was very encouraging and supportive of him getting this ASPRS certification. Kass Green, ASPRS President, worked closely with Lopez as a teacher and mentor in the past.

The ASPRS certification program for technologists is specifically geared to drafting technicians, inspectors, photographers, laboratory technicians, stereoscopic instrument or plotter operators, computations technicians, field survey assistants, interpretation technicians, image analysts, data processors, and digitizers. This certification was instituted to give those working at the technologist level an opportunity to be recognized by ASPRS for their respective contributions.

The technologist level is defined as work that is primarily of a technical nature, often demanding a high degree of skill, done under the direction of a professional who is responsible for its outcome. Such work is pre-professional when performed by a professional trainee who, having completed courses of specialized intellectual instruction and study, is seeking to attain professional status.

The following categories of ASPRS technologist certification are offered:

Certified Photogrammetric Technologist (ASPRS): A technician who performs or supervises technical photogrammetric tasks to extract spatial data from photographic or digital imagery.

Certified Remote Sensing Technologist (ASPRS): A technician who performs or supervises tasks to interpret, manipulate, extract, process and convert remotely sensed data from photographic or digital imagery.

Certified GIS/LIS Technologist (ASPRS): A technician who integrates a variety of spatial data sets into a GIS format designed for graphic output

or analysis.

For more information on the ASPRS certification program, contact certification@asprs.org or visit the ASPRS web site: http://www.asprs.org/membership/certification/index.html

Founded in 1934, ASPRS is an international professional organization of 6,000 geospatial data professionals. ASPRS is devoted to advancing knowledge and improving understanding of the mapping sciences to promote responsible application of photogrammetry, remote sensing, geographic information systems and supporting technologies.

Derek Smith and Justin Langer Earn ASPRS Photogrammetric Technologist Certification

Derek Smith and Justin Langer of Western Air Maps, Inc. (WAM) of Overland Park, KS, recently earned the title of Certified Photogrammetric Technologist (PT) through the American Society for Photogrammetry and Remote Sensing (ASPRS).

Smith, Manager of LiDAR and Surveying Solutions at WAM, came to the company in 2004 after studying LiDAR data processing and applications in surface model creation at the University of Missouri. He received project-specific training, at Western Air Maps, in thinning and grid techniques, and with data processing workflow and project management. Smith earned a BA in Geography from the University of Missouri in 2000.

Langer joined WAM in 2000 and serves as Geospatial Supervisor for the day shift. He assists specialists with project specs and accuracy requirements. He also conducts important quality control measures for the production department. Langer earned a BS in Geography with a minor in Computer Science from Northwest Missouri State University in 1999.

For Smith and Langer, their new PT Certifications are an independent validation of their skills, knowledge, and ethical conduct. Certification provides transparency and reassures clients during a selection process and while making other critical decisions about a service or product. WAM congratulates Smith and Langer on successfully earning PT Certification. Their success demonstrates the company's dedication to the success of the industry and its employees; WAM has embraced the ASPRS professional certification as a means of achieving that goal.

For more information on ASPRS Professional Certification programs, visit www.asprs.org

Scott Bowman Earns GISP Certification

Scott Bowman has earned his Geographic Information Systems Professional (GISP) certification. Scott is the eighth professional at Western Air Maps (WAM) to earn the designation. Scott joined WAM in 2007 as a GIS Analyst, and now serves as Project Manager. He manages the production of ArcGIS projects, as well as acting as team leader and trainer. Before joining WAM, Scott had more than 18 years' experience using information technology with the public sector, including local governments. Scott received his BS in cartography from Missouri State University in 1993 and his MS in Geography form the University of Missouri in 1995.

The GIS Certification Institute issues the GISP certifications, which are based on a combination of educational achievement, professional experience, and contributions to the profession. As of February 2008, only 2,000 professional have received the GISP designation. More information is available at www.gisci.org.

Western Air Maps Awarded $8 Million Contract by U.S. Army Corps of Engineers

Overland Park, KS, September 20, 2008—Western Air Maps, Inc. (WAM) of Overland Park, Kansas, has been awarded an $8 million large business contract by the U.S. Army Corps of Engineers – Northwest Division – Kansas City District (CENWK). The Indefinite Delivery contract, awarded through a full and open Qualifications-Based Selection (QBS) process, is projected to last 5 years.

"It is truly an honor to be selected for this contract award by the Kansas City District under full and open competition; this is real milestone for WAM since we have out grown the small business size standard." Scott Perkins, VP.

Through the contract, the U.S. Army Corps of Engineers issues task orders to Western Air Maps for aerial photography, photogrammetry, remote sensing, lidar, topographic mapping, boundary surveying, hydrographic surveying, and CADD/GIS onsite services and implementation for civil works, military and environmental projects primarily within the district.

Services will also be rendered for the Corps of Engineers in the Omaha District and the Northwest Division. Other federal agencies may also utilize Western Air Map's services through the same contract.

For further information on using this contract or on Western Air Maps, Inc. contact Cody Buhrmeister at codyb@westernair.com or call 800-643-5177.

Classifieds

The Region Board of Directors has created a Classifieds section in the newsletter. Region members seeking to hire or to be hired should send information to the Newsletter editor.

Phil Rufe
14670 County Rd 8420
Rolla MO 65401

ASPRS Central Region 11 September 2008 Board Meeting Minutes

11-September-2008
1:30 PM

Call to order

Mike Flynn called to order the regular meeting of the ASPRS Central Region officers and directors at 1:30pm central on 11 September 2008 on a conference call.

Roll call

Mike Flynn conducted a roll call. The following persons were present: Barry Budzowski, Don Cleveland, Phil Rufe, Scott Perkins and Janet Carroll.

Approval of minutes from last meeting

None presented

Open issues

No open issues

New business

Next newsletter
Mike will provide Phil with image and press release for the recent GeoEye 1 launch.
Mike will contact Brian Falls regarding announcement for Central Region Scholarship.

Fall technical session

Attendees agreed that a fall technical would be welcome. Barry will contact Jack and Dr. Tulles at the University of Arkansas to gage their interest in hosting.
Attempting to schedule between October 13th and the 24th.

Annual Central Region Meeting
Annual central meeting will be held in June of 2009 as required in the bylaws.
Norman, Oklahoma has been selected as the venue for the annual meeting.
Scott and Barry will contact Dr. Rashed to coordinate.

Charitable contributions

Quorum voted to donate $500 to Ellerbe Family Trust. Mike will draft a letter to communicate to the region members asking for matching contributions.
Quorum voted to donate $500 to Photogrammetry Video project to assist Penn State Public Broadcasting conduct interviews with pioneers in the industry. Mike will provide Scott with donation information.

Adjournment

Mike Flynn adjourned the meeting at 2:30pm central.
Minutes submitted by: Mike Flynn
Minutes approved by: Scott Perkins

November 17-20 2008. The William T. Pecora Memorial Symposium, Adams Mark Hotel Denver, Colorado http://www.asprs.org/pecora17

October 5-9 2008. The 2008 Joint Meeting of The Geological Society of America, American Society of Agronomy, Crop Science Society of America, Soil Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM. Hosted by the Houston Geological Society. Houston, Texas George R. Brown Convention Center. Registration deadline: Early Bird, 14 July 2008, Standard, 15 July thru 2 September 2008 Abstract deadline: 3 June 2008. http://www.geosociety.org/meetings/

October 7-8, 2008. ASPRS Potomac Region GeoTech 2008, "Emerging Geospatial Technologoies and Applications". http://www.asprspotomac.org/geotech08

October 7 to 9th, 2008. VIII Seminar on Remote Sensing and GIS applications in Forest Engineering Data, Curitiba, Paraná State, Brazil. www.8seminarioflorestal.com.br. For more information, contact: disperati@avalon.sul.com.br

October 21-23, 2008. Hyperspectral Infrared Imager (HyspIRI) Science Workshop, Courtyard Marriott (Monrovia) [near Pasadena, California] 700 West Huntington Drive, Monrovia, CA 91016.

NASA will convene a science community workshop on October 21-23, 2008, in Monrovia, CA-close to Pasadena's Jet Propulsion Laboratory. The primary goal of this workshop will be to discuss and review a draft white paper containing the scientific rationale for the HyspIRI mission. This white paper will focus on the scientific questions the HyspIRI mission will address; the objectives of the mission; potential mission products; and resulting mission requirements.

Workshop plenary discussions will provide an initial overview of the rationale for the mission, addressing the topics listed above. Breakout sessions will allow for community discussion and comment on these topics as well as other topics not covered by the white paper, including the need for additional studies and preparatory work.

NASA will summarize workshop proceedings and findings in a report that will set the stage for finalizing the white paper. This white paper will provide guidance to NASA as it proceeds with Phase A mission planning.

Workshop participants must register on the Internet at http://hyspiri.jpl.nasa.gov/. There is no registration fee. Your early registration ensures adequate facilities. The web site provides lodging and other logistics information. Future communications about this workshop will be distributed only to those registered for the meeting.

Inquiries about the HyspIRI Science Workshop should be directed to either Robert Green (e-mail: rog@jpl.nasa.gov; telephone: 1-818-354-9136) or Simon Hook (e-mail: simon.j.hook@nasa.gov; telephone: 1-818-354-0974).

October 27-31, 2008. 7th AARSE Conference, Accra, Ghana. APPLICATION OF EARTH OBSERVATION AND GEOINFORMATION FOR GOVERNANCE IN AFRICA. Call for Papers http://www.aarse2008.org

November 3-5, 2008. Global MilSatCom 2008.The European hub for Military Satellite Communications, is celebrating its 10th Anniversary this year. Join leading MilSatCom nations and discuss national developments, international cooperation and current operational challenges.

Global MilSatCom provides an unparalleled opportunity to reflect upon today's challenges, how to enhance current communication capabilities and what is required to maintain battle dominance. By listening to key presentations, you will establish the solutions that match your organisation's needs.

Analyse the latest national programmes from Europe, the US, Australia and the United Arab Emirates.

For further information or booking enquiries please contact Teri Arri on +44 (0) 20 7827 6162 or email tarri@smi-online.co.uk

To book online please visit the Global MilSatCom website at **www.globalmilsatcom.com**

November 17-20, 2008. Coastal Cities Summit 2008. The International Ocean Institute-USA (IOI), the University of South Florida, St. Petersburg, the Patel Center for Global Solutions and partners are pleased to present the Coastal Cities Summit: Values and Vulnerabilities to be held November 17-20, 2008 in St. Petersburg, Florida.
Download flyer (Adobe PDF 375Kb). Register on-line www.coastalcities.org

November 19th and 20th, 2008. Geomatics Atlantic 2008. The Canadian Institute of Geomatics New Brunswick Branch is very proud to be hosting the Geomatics Atlantic 2008 Conference. The conference will take place November 19th and 20th, 2008 at the Trade and Convention Centre, in Saint John, New Brunswick.

The theme of this year's conference is "Discovering the Way to a Sustainable Future". The conference program will include technical presentations, a map / poster gallery, a trade show and a social event.

Come celebrate the 10th Anniversary of GIS Day with us on November 19th and plan to attend the Canadian Institute of Geomatics' National Annual General Meeting to be held November 20th, 2008, at the Geomatics Atlantic Conference.

Geomatics Atlantic 2008 will bring together academics, practitioners, vendors, and policy makers from Atlantic Canada's Geomatics community in a relaxed, informative and productive two day event.

Please come join us this November at the Trade and Convention Centre in beautiful and historic Saint John, New Brunswick. http://www.geomaticsatlantic.com

January 5-9, 2009. The First International Conference on LiDAR Technology and Image Processing (LiDAR 2009), Harbin, China. Contact: Dr David Tien dtien@csu.edu.au. http://www.academicinternational.org/aaic/

January 26-29, 2009. The International Lidar Mapping Forum 2009. Astor Crowne Plaza New Orleans, USA. The ILMF is the premier event for the LiDAR industry, attracting professionals from all over the world looking to invest in and benefit from LiDAR technology and services. See Call for Papers (Adobe PDF 1.23Mb). Abstract submission deadline is September 1, 2008. http://www.lidarmap.org

CR-ASPRS Technical Presentation at University of Arkansas October 17, 2008

We know it's short notice but….

Session Program:

12:00 – 1:00 Lunch sponsored by ASPRS Central

1:00 – 1:30 Welcome and agenda – Mike Flynn

1:30 – 2:30 Shelby Johnson, State Geographic Information Coordinator of Arkansas – will present 'Raising the Public Decision Making Bar in Rural Arkansas, What if GIS Were John Deere Green or Caterpillar Yellow?'

2:30 – 3:15 Malcolm D. Williamson, CAST, UA - will present 'Mapping Hydro-Geomorphic Wetland Classes in the Arkansas Delta'

3:15 – 4:00 Jackson Cothren, CAST, Department of Geosciences, UA – will present 'Automated Matching and Orientation of Aerial Images using Affine Invariant Descriptors'

4:00 – 4:45 Mike Flynn, Operations Manager MJ Harden– will present 'GeoEye 1 and the GeoEye Foundation. How to Get Free Satellite Imagery."

CR-ASPRS Technical Presentation at University of Arkansas October 17, 2008 We know it's short notice but….

Directions and Lodging Information:

We look forward to seeing you at theCR-ASPRS Technical Session in our new building on the University of Arkansas, Fayetteville campus on Friday, October 17, beginning at noon with lunch provided in JBHT-263. The meeting will follow at 1:30 pm in the Executive Board room, JBHT-535. The new J B Hunt Transport Inc Center for Academic Excellence (JBHT) is located at on the corner of Dickson Street and Harmon Avenue.

The University of Arkansas in Fayetteville has completed the Harmon Avenue parking deck of 2,000 spaces, and hourly parking is available in this deck at a cost of $1.10/hour. Our building (JBHT) is northwest, across Harmon Avenue, from the parking desk.

The location of the parking deck can be found on the UAF campus map at:

http://cavern.uark.edu/rd_vcad/urel/info/campus_map/

Select "A1" on the map. You will see a large structure (marked HAPF). Click on the A1 section to zoom in. This is the closest parking deck. Going west on Dickson, turn left on Harmon Avenue, and you will see the deck on your left, one block down. Some older maps show the street as Buchanan; it has been changed to Harmon Avenue.

Select "B-1" on the map to locate JBHT building. Click on the B-1 section to zoom in.

There are no hotels that are within walking distance except for the Inn at Carnall Hall (here on campus), but rates start at $97/night.

There are lists of hotels on the Experience Fayetteville website and the University's website.

The Experience Fayetteville website has costs and maps.

http://experiencefayetteville.travelhero.com/index.cfm/country/US/state/AR/city/FAYETTEVILLE/aid/234/index.html

http://www.uark.edu/admin/busaffrs/travel/hotel.html

The cluster of hotel near I-540 and Hwy 62 offer a wide variety of choices/prices, and they are fairly close to campus.

Parking Deck Instructions: At each entrance to the Harmon Avenue parking deck, the parker will push a button and take a ticket from the dispenser. The gate will open and the parker can park in any open legal space on any of the levels. The parker will need to take the paper ticket with him/her. Upon returning to the deck, the parker will go to one of the pay stations located on levels 1 and 6, insert the ticket and pay the amount displayed with a MasterCard, Visa, or Discover, cash or Razorbucks. The pay station will return the validated ticket to the parker who will take the ticket and go to his vehicle. At the exit, the parker inserts the validated ticket into the ExpressParc kiosk causing the gate arm to rise allowing the vehicle to exit.

ASPRS CENTRAL REGION

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