ARCHBOLD BIOLOGICAL STATION
Archbold Biological Station is seeking a bright, intellectually curious person, with extensive GIS experience, to fill the technical support position of Geographic Information System Manager. Applicants must share our passion for Archbold's long-term ecological research, conservation, and education programs.

The GIS Manager oversees GIS and spatial data management organization-wide, essentially as a one-person operation, reporting to the Executive Director, with sole responsibility to:

1. Gather, generate, manage, interpret, and display spatial data for multiple research, conservation, education, development, and operations purposes, including maintenance of an extensive spatial data library encompassing many projects, the organization's land holdings, and data for surrounding regional landscapes.
2. Administer the GIS Lab and distributed GIS activities across the Archbold network, including budgetary oversight, maintenance of GIS and GPS equipment, plotters and printers, and ESRI software support (currently >5 concurrent licenses and >10 stand-alone licenses).
3. Support project design, data management, and perform advanced spatial analysis for new and long-term ongoing research projects conducted by Archbold scientists, collaborators, and partner organizations.
4. Provide in-house training in basic GIS for scientific staff, students, and visiting scientists and technical assistance as needed. Occasionally supervise GIS student interns, graduate students, and volunteers.
5. Collaborate with Archbold's other technical support staff to coordinate data management and data access across the Archbold network and via the internet.
6. Represent Archbold in professional organizations, GIS working groups, and local and regional conservation organizations.

Essential job skills:

1. Gather GIS data
2. Collect data in the field, often under physically demanding conditions including walking through deep sand, thick vegetation, wetlands, and carrying heavy equipment (up to 50 pounds). Drive 4WD vehicles (training provided).
3. Work collaboratively with Archbold community to assemble GIS data centrally.
4. Be familiar with the wide range of outside agencies and online locations from which to access and download relevant data. Import, read and analyze many forms of geographic data.
5. Be fully competent with ESRI's ArcGIS suite of tools for a broad range of research and conservation purposes. Be conversant with data conversion and coordinate system conversions. Interpret data to produce tabular reports, graphs and charts, program new routines and tools, and prepare visually appealing maps and presentation materials. Prepare geographic data and metadata for education and outreach, including online.
6. Possess advanced data management skills, including using GIS software to create and maintain of metadata. Maintain an efficient, well-organized and updated spatial library. Conduct QAQC. Perform system functions such as backup and systematic file transfers. Enable data access via intranet and web interfaces.
7. Anticipate the needs and work collaboratively with a range of people, from those having little understanding of GIS, to those utilizing spatial analysis and other advanced tools for research. Analyze and review GIS needs and approaches, and recommend improvements or solutions to GIS problems.
8. Perform other duties as required.

Minimum position requirements:
1. Bachelor’s degree (not discipline-specific) and 2-4 years full-time GIS work experience, or Master’s degree and 1-2 years full-time GIS work experience. Extensive (> 10 years) experience may substitute for degree. Relevant work experience must include utilizing ESRI's full ArcGIS Desktop Suite and ESRI Personal and File geodatabases.

2. The candidate will have a solid understanding of Geography, Cartography and GIS fundamentals, including relational databases, GPS, spatial analysis, geo-processing tools, data management, Quality Assurance/Quality Control, and querying data.

3. Experience with Microsoft Office Suite (Word, Excel and Access) is required.

These additional factors are a plus but not required:

1. Familiarity and work experience in an academic research environment or science-driven conservation organization.

2. Experience using GIS to address questions in ecology.

3. Experience with ArcGIS online and web services.

4. Knowledge of satellite imagery, airborne imagery including hyperspectral, LIDAR and remote sensing.

5. Deployment of unmanned aerial vehicles for image and video acquisition, wildlife cameras, or other automated sensors.

Email cover letter with cv to hr@archbold-station.org or mail to Archbold Biological Station, Human Resources, 123 Main Drive, Venus, FL 33960.

Archbold is an Equal Opportunity Employer

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COLLEGE OF WILLIAM AND MARY – WILLIAMSBURG, VA

The College of William & Mary seeks a motivated GIS specialist to support the use of GIS in teaching, learning and research across the curriculum. The GIS specialist will be the Director of William and Mary’s Center for Geospatial Analysis (CGA) and will provide support for effective GIS use across campus. Position responsibilities include: 1) teaching introductory and/or upper level GIS courses and short GIS workshops; 2) management of CGA facilities; and 3) support of faculty and undergraduate and graduate student GIS-based research. The Director will also have the opportunity to sit on undergraduate and graduate student thesis committees. The Director will report to the Dean of Interdisciplinary Studies. This is a 12-month, continuing faculty position at the rank of lecturer or senior lecturer depending on experience.

We seek a broadly trained, academically oriented candidate with an interest in working with faculty and students from multiple disciplines and experience in applying GIS methods to research problems. In addition to teaching courses, a central goal of the position is to provide GIS assistance to faculty, graduate students, and staff on campus. The position will involve managing the GIS facility, including supervision of teaching assistants as well as maintenance of hardware and software (with support from Information Technology). Given the scope of the position, excellent interpersonal skills and experience in GIS teaching/training, project management, and supervisory roles are essential. Proficiency in ESRI GIS products (e.g., ArcGIS) is required and programming skills (e.g., the ability to write scripts) are highly desirable. A Ph.D. is preferred by the time of appointment, but area of specialty is open. The College of William and Mary is a public institution with approximately 6300 undergraduates and 2100 graduate students, with a strong liberal arts tradition and a commitment to both teaching and research.

Applicants should submit their application electronically. For further information, qualifications, and to apply please visit our online application system at https://jobs.wm.edu/. Please include a letter of application, current resume, a statement of teaching and research, and the names and contact information of three references, and address these materials to: Dr. Matthias Leu, GIS Search Chair, Biology Department, College of William and Mary, Williamsburg, VA 23187. Please contact the chair either via email (mleu@wm.edu<mailto:mleu@wm.edu>) or phone (757-221-7497) with questions. Review begins March 9, 2015, and will continue until the position is filled. The position start date is on or after July 1, 2015. The College of William & Mary is an EOE/AA university.

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GUSTAVUS ADOLPHUS COLLEGE – SAINT PETER, MN

Gustavus Adolphus College invites applications for a full-time, one-year position of Visiting Assistant Professor in the Department of Geography to begin September 1, 2015.

We seek candidates who have an earned doctorate in Geography (or a related field), but will consider candidates who have achieved ABD status. Candidates must have demonstrated excellence in teaching. A commitment to undergraduate teaching is essential.

We are interested in applicants who will complement our commitment to students and faculty from diverse cultural groups, and who will diversify the expertise and experiences represented in the department.

Primary teaching responsibilities will include courses in earth science and human environment interactions such as Hydrology and Water Resources; Nature and Society; Introduction to Physical Geography; and a course in the instructor’s area of expertise.

Electronic application is required; email application materials as PDFs to geography-search@gustavus.edu. The application materials must include a letter of application, curriculum vitae, statements of teaching philosophy and research interests, and transcripts (scanned copies acceptable).

Three confidential letters of professional recommendation (sent directly from the reference or letter service) will be requested from finalists. The cover letter and letters of recommendation should be addressed to:

Dr. Anna Versluis, Chair
Department of Geography
Gustavus Adolphus College
800 W College Ave
Saint Peter, MN 56082-1498

Application information is also available at www.gustavus.edu/jobs. For more details, visit the College’s website at www.gustavus.edu/provost/newfaculty/ or contact Dr. Anna Versluis at geographysearch@gustavus.edu. Review of applications will begin on March 23, 2015, and continue until the position is filled.

Gustavus Adolphus College is a coeducational, private, Lutheran (ELCA), residential, national liberal arts college of 2500 students. The College maintains a longstanding commitment to excellence through diversity with a special emphasis on global engagement and service. Additionally, we strive to be a community supportive of all kinds of individuals and families. As an Affirmative Action employer, it is the policy and practice of Gustavus Adolphus College to provide equal employment opportunities for all. EOE Employer/Disabled/Vet.

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IOWA DEPARTMENT OF NATURAL RESOURCES – DES MOINES, IA

The Watershed Monitoring and Assessment Section of the Iowa Department of Natural Resources (DNR) is seeking three to four summer field/laboratory technicians. Technicians will earn an hourly wage based in experience/skill level and expenses for overnight travel covered per DNR guidelines. Technicians will have the opportunity to work directly with the Iowa DNR Beach Monitoring and Harmful Algae Bloom programs. These programs seek to assess water quality conditions at swimming areas throughout the state and promote the health and safety of beachgoers at Iowa’s public beaches.

Job duties include the following:

- Travel to study sites across Iowa and collection of samples and field data
- Assist with watershed investigations to determine potential sources of bacterial contamination at Iowa’s beaches
- Laboratory and field analysis of various water quality parameters
- Additional projects as assigned
Applicants should possess a basic understanding of water quality issues and monitoring practices and be willing to work long hours in the field under all types of weather conditions. Candidates must be able to perform physical labor such as carrying and loading sampling equipment weighing up to 30 pounds. Applicants will be expected to collect and analyze water samples from state-owned beaches for much of the week, with the potential to work on other projects within the Section as time permits. Monitoring will call for extensive travel throughout the state and will often require overnight stays. Successful candidates will be based out of the Wallace State Office Building in Des Moines, Iowa. Applicants must have a valid driver’s license, with appointment contingent upon a successful screening of their driving record.

Employees will gain valuable experience in the following ways: 1) learn methods and techniques related to surface water sampling; 2) gain first-hand knowledge of issues facing Iowa’s water resources; 3) gain knowledge of laboratory techniques used to characterize water quality; 4) learn field techniques to detect potential sources of contamination; 5) gain valuable experience communicating with other agencies and the general public, and working in teams; 6) university credit may be available on a case-by-case basis through university internship programs.

APPLICATION DEADLINE IS FRIDAY, MARCH 13, 2015

Those seeking full-time (40 hours per week) and part-time (20-30 hours per week) are encouraged to apply. Please send a cover letter and resume including names, phone numbers, and e-mail addresses of three references electronically or by mail to:

Mary Skopec
Beach Monitoring Program Coordinator
502 E. 9th St.
Des Moines, Iowa 50319

Office (515) 725-3434
Mobile (319) 400-0442
Mary.Skopec@dnr.iowa.gov

The Iowa Department of Natural Resources is an EOE/AA employer.

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KUTZTOWN UNIVERSITY – KUTZTOWN, PA

The Department of Geography invites applications for a full-time temporary position in Physical/Environmental Geography to begin in the Fall 2015 semester. Ph.D. in Geography preferred, ABD in geography within one year of completion at time of appointment required at a minimum. Applicants must have relevant training and two years (or equivalent) of college-level teaching experience. Particular interest is in a faculty capable of teaching environmentally-related courses complementary to our current offerings including Elements of Physical Geography. Ability to teach other undergraduate courses in Physical and Environmental Geography will be necessary to complete a 12 hour per semester teaching load. A successful classroom demonstration and interview(s) are required. Send a letter of application highlighting substantive training and teaching experience and ability. Also, submit a curriculum vitae, transcript(s) of all college-level work (unofficial acceptable while official transcripts are in transit), and three letters of reference to Dr. Steven Schnell, Search Committee Chair, Department of Geography, Kutztown University of Pennsylvania, Kutztown, PA 19530. Review of applications will begin March 15, 2015 and will continue until the position is filled. No electronic submissions will be accepted. Kutztown University of Pennsylvania is an Affirmative Action/Equal Opportunity employer and actively solicits applications from minorities and women. Kutztown University is a member of the State System of Higher Education. The University is located between the diverse metropolitan areas of Allentown/Bethlehem and Reading, and within 60 minutes of the Philadelphia metropolitan area. The University is searching for faculty with extensive experience teaching diverse populations.

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STANLEY CONSULTANTS – MUSCATINE, IA
Stanley Consultants, worldwide engineering firm, is seeking a full-time GIS Analyst for our Muscatine, IA office. The ideal candidate will have minimum 3 years of experience with utility infrastructure mapping using GIS with secondary experience in water resources, drainage, and transportation.

The job has been posted on both the IGIC website: http://www.iowagic.org/projects/job-board/ and Stanley Consultants’ website: http://www.stanleyconsultants.com/grow-with-us/apply-for-a-job/

Essential duties include:
- Manage project geo-databases, mapping, analysis and reporting
- Coordinate with clients on data collection and deliverables
- Develop and maintain project databases
- Develop and maintain web GIS portals
- Develop modules to analyze data and automate repetitive work
- Integrate GIS and CAD files
- Utilize image processing software
- Prepare reports and technical presentations
- Help project team with quality control and document management

Required qualifications:
- Must be proficient with ESRI ArcGIS software
- Must have a minimum of 3 years of experience in GIS-based modeling

Preferred qualifications:
- B.A. or B.S. Degree in GIS or Geography
- Experience with web GIS
- Experience with GIS programming
- Knowledge and experience with Remote Sensing tools
- Good technical writing and presentation skills
- GISP (Geographic Information Systems Professional) certification
- Proficiency with AutoDesk and Bentley CAD/GIS products (AutoCAD, Microstation, etc.)
- Experience working with engineering and survey data

Equal Opportunity Employer: Minorities, Women, Veterans, Disabilities.

Drew Rotschafer, GISP – GIS Analyst
5775 Wayzata Blvd., Suite 300 | Minneapolis, MN 55416
952.738.4371 (phone) | 952.546.4279 (fax)
www.stanleyconsultants.com

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UPPER IOWA UNIVERSITY – FAYETTE, IA
Upper Iowa University invites applications for a full time, tenure-track faculty position as an Assistant Professor of Geosciences or Geography/GIS on the residential campus in Fayette, Iowa with a start date of August 2015. This is an academic year position with an eight course teaching requirement in two semesters. Salary and rank are commensurate with qualifications and experience.

We seek a geoscientist or geographer with GIS expertise and a deep interest in student-centered teaching at the undergraduate level who will contribute to an environment in which diversity is respected, encouraged and nurtured. This position will complement existing faculty strengths, and contribute to our field-oriented integrative geosciences, geography, and sustainability curricula. The successful candidate will demonstrate the potential for excellent teaching in classroom, laboratory and field settings, as well as the flexibility and desire to teach a wide range of courses. Interest in interdisciplinary collaborations and applications of GIS beyond the candidate’s area of specialization will be especially welcomed.
The position requires a Ph.D. in Geology, Geography or a related Geoscience discipline, and applied skills and facility with geospatial technologies/GIS. The successful candidate will teach the following courses: Physical Geography, World Regional Geography, Geography/GIS Lab; and additional lower division courses, based on expertise; and upper division courses in GIS, remote sensing, global and climate change, geomorphology, sustainability and/or other related topics. The successful applicant will mentor and advise students, supervise student research projects, support departmental activities, serve on university committees, pursue scholarly activities and professional development, and provide leadership and service to the university, community and profession.

Teaching assignments are predominantly face-to-face on the Fayette campus, but may require teaching as needed in hybrid, online, domestic center, and international center modalities. The successful applicant is expected to complete training for online teaching during the 2015-2016 academic year.

Founded in 1857, Upper Iowa University (www.uiu.edu) is a private, not-for-profit university providing undergraduate and graduate degree programs and leadership development opportunities to more than 6,800 students—nationally and internationally—at its Fayette campus and learning centers worldwide. The natural outdoor laboratory of scenic northeast Iowa, the rural and urban landscapes of the Upper Midwest region, and potentially UIU’s global footprint offer ample opportunities to engage students in action-learning pedagogies, service learning, and problem-driven community-based research.

Applicants should submit, in Microsoft WORD or PDF format, a letter of application, a statement of teaching philosophy, CV, names and contact information for three references, and unofficial transcripts to savagem@uiu.edu. The letter of application should describe how the applicant’s aptitudes and abilities are well suited to the mission and vision of the department, school and university. The position is open until filled though applications received by March 2, 2015 will receive full consideration. Upper Iowa University is an Equal Opportunity Employer.