**Title**  
Staff Scientist, High Performance Computing, Job # A20663

**Department**  
University Information Technology Services

**Location**  
Main Campus

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**Position Summary**  
Research Computing, within University Information Technology Services at the University of Arizona, is accepting applications for the position of Staff Scientist – HPC. This position is in the Appointed Personnel UA employment category. Research Computing employs Research Computing Specialists in several areas of expertise. This position is in the area of High Performance Computing. Research Computing works closely with the HPC Systems Team to support the overall services of HPC resources available to the UA research community. 

Primary responsibilities will be to provide leadership and innovation using HPC, assistance to faculty, researchers, students and staff in all areas of research HPC training and support, and to assist all UA researchers to make best use of available UA HPC systems, as well as external National Supercomputing Center resources, in support of their research projects.

The successful candidate will be a continuous learner, with abilities to effectively mentor and communicate HPC related information and knowledge to all levels of University researchers and staff, and work both independently and in teams to problem solve, and provide insight and input into defining the future of UA Research Computing and High Performance Computing.

For information on current UA Research Computing and HPC resources and services, please [click here](#) to visit the UITS website and [click here](#) to visit the El-Gato, Super Computer website.

**UITS – Where We Put U First in IT**

- UITS is a 300 plus-member service unit with a mission to support and enhance the University’s ability to fulfill its objectives by providing effective and efficient computing and communications solutions. UITS acts as a facilitator and proactive coordinator of integrative technology services for campus. We are committed to supporting a technological foundation that enhances learning, research and business, recognizing that to serve the campus well we must promote user self-sufficiency, easy access to information, and collaborative relationships with users.
- UITS supports and works collaboratively with all three communities of our campus: staff, faculty, and students.
- UITS is committed to high-quality, value-added services delivered through strong values of respect, integrity, and transparency.
- UITS provides two mission-critical IT components to the campus: Infrastructure & Client Services and Enterprise Applications.

*Outstanding UA benefits include health, dental, and vision insurance plans; life insurance and disability programs; paid vacation, sick leave, and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members;*
state and optional retirement plans; access to UA recreation and cultural activities; and more!

Accepting a new position is a big life step. We want potential candidates and their families to be able to make informed decisions. Candidates who are considering relocation to the Tucson or Phoenix area, and have been offered an on-site interview, are encouraged to use the free services offered by **Above & Beyond Relocation Services (ABRS)**. Ask your department contact to be introduced to ABRS prior to your visit.

The University of Arizona has been recognized on Forbes 2015 list of America’s Best Employers in the United States and has been awarded the 2015 Work-Life Seal of Distinction by the Alliance for Work-Life Progress! For more information about working at the University of Arizona, please click here.

### Duties & Responsibilities

- Provide leadership and innovation in the use of HPC resources;
- Lead and provide support and consulting to researchers in the use of UA HPC systems and resources;
- Lead, mentor and coordinate Research Computing staff and Student Interns/Workers;
- Monitor HPC computing user environments and work with HPC Systems Team to identify and resolve system problems;
- Create and maintain UA HPC documentation, user guides, FAQs;
- Identify users’ training needs; design and teach workshops as appropriate;
- Represent user interests by identifying user needs and recommending system policy changes in order to provide the highest levels of user environments;
- Install and maintain user requested HPC software;
- Lead support for parallel and serial programming, libraries, utilities, code porting, debugging, and optimization;
- Lead application support appropriate to researchers’ projects, data analysis, and modeling requirements;
- Identify, implement, and support new technologies in support of researcher’s projects;
- Provide leadership in the definition and design for HPC systems upgrades, replacements and acquisitions of new generations of UA HPC;
- Participate in NSF XSEDE Campus Champions;
- Assist users to acquire time and implement projects on non-UA HPC resources.

### Minimum Qualifications

- Ph.D. degree in a discipline where HPC plays a significant role in research computation;
- Research experience with scientific and HPC computing;
- Demonstrated interpersonal and communications skills to provide consulting support to all levels of users;
- Demonstrated ability to work independently and work within consulting and project teams;
- Demonstrated ability to lead, mentor and coordinate staff and student Interns/Workers;
- Demonstrated ability to provide leadership and innovation in the use of HPC resources;
- Demonstrated ability to lead and provide support and consulting to researchers in the use HPC systems and resources;
- Demonstrated ability to create and maintain HPC documentation, user guides, FAQs;
- Demonstrated ability to identify users’ training needs; design and teach workshops;
- Demonstrated ability to participate in NSF XSEDE Campus Champions;
- Demonstrated ability to assist users to acquire time and implement projects on non-UA HPC resources;
- Demonstrated ability to lead, mentor and coordinate Research Computing staff and Student Interns/Workers;
- Demonstrated ability to lead support for parallel and serial programming, libraries, utilities, code porting, debugging, and optimization.

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<th>Preferred Qualifications</th>
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<td><strong>Full Time/Part Time</strong></td>
<td>Full Time</td>
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<td><strong>Number of Hours Worked per Week</strong></td>
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<td><strong>Job Category</strong></td>
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<td><strong>Benefits Eligible</strong></td>
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<td><strong>Type of criminal background check required:</strong></td>
<td>Fingerprint criminal background check (security sensitive due to title or department)</td>
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<td>Contact Information for Candidates</td>
<td>Monica Piwowar Tacconi – <a href="mailto:tacconi@email.arizona.edu">tacconi@email.arizona.edu</a></td>
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