

2012 USQCD Demographic Survey Report

Revision 1.0

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Change Log

Revision No.	Description / Pages Affected	Effective Date
1.0	2012 Demographic Survey	May 1, 2012

1 Survey Objective

The objective of the 2012 demographic survey is to understand how the LQCD computing facility impacts the members of the USQCD collaboration, in particular, how the facility impacts the postdocs and graduate students.

The original survey was sent to the USQCD membership in 2010. It was conducted using the Zoomerang survey software. The survey report was presented to 2011 DOE review Committee. However, not everybody in the collaboration responded to the original survey. In 2012, USQCD executive committee chair requested key persons in the USQCD membership to gather the demographic information directly. This report contains the survey results for the 2012 survey. This survey was not an anonymous survey. It is expected that if the survey is conducted for multiple years, it is likely that a pattern of the scientific interests in Lattice QCD would emerge.

2 Survey Summary

A total of 146 USQCD collaborators were identified during 2012 survey as opposed to 106 members identified in 2011 survey. 73% of collaborators are employed by a university. Majority of them (31.5%) are faculty members and 25% of them are graduate students.

3 Requirements

As described in the USQCD collaboration web page <http://www.usqed.org/collaboration.html>, “The USQCD collaboration was founded in 1999, for the purpose of creating and utilizing software and dedicated hardware resources for lattice gauge theory calculations. It is funded by the Department of Energy through the Scientific Discovery through Advanced Computation (SciDAC) program, and through the Office of Science's High Energy Physics and Nuclear Physics programs. A majority of United States lattice gauge theorists are members.” For information about joining the USQCD collaboration, Paul Mackenzie (mackenzie@fnal.gov), Chair of USQCD Executive Committee should be contacted.

In the survey, following questions were asked:

1. Name and location
 - First name
 - Last name
 - Email address
 - Institution of employment
2. Type of institution
 - University
 - National Laboratory
 - Department of Energy
 - Non-governmental research institution
 - Other
3. Job classification
 - Graduate student - University
 - Postdoc - University
 - Postdoc - Laboratory
 - Faculty - University (tenured or tenure track)

Research Scientist - University (non-tenured)
Research Scientist - Laboratory

4 Data Analysis

A total of 144 unique individuals were identified by the key scientists in the collaboration and members of the LQCD project office. The list of individuals on this list is given in the appendix. The analysis of the rest of the data collected follows.

4.1 Employment

The following chart shows the distribution of employment for the USQCD collaborators.

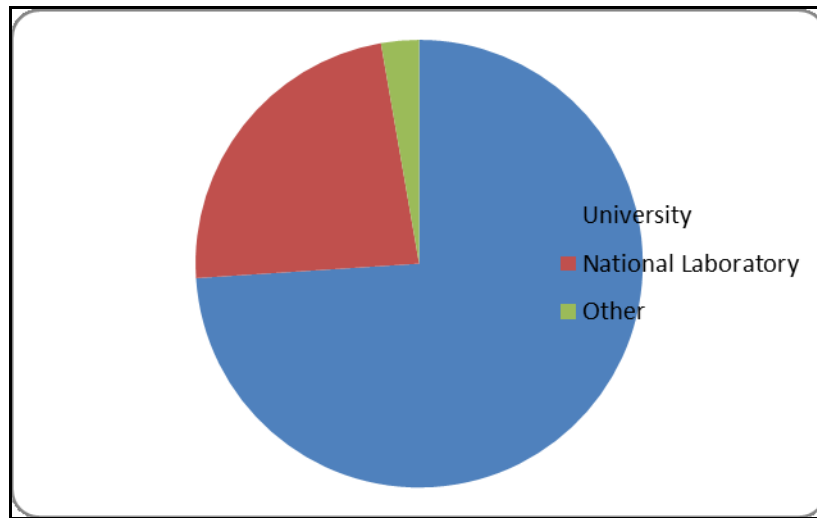


Figure 1: 2012 Employment Distribution

4.2 Job Classification

In the following chart 2012 job classifications indicated by the USQCD members are compared to the job classifications held by 2011 USQCD members.

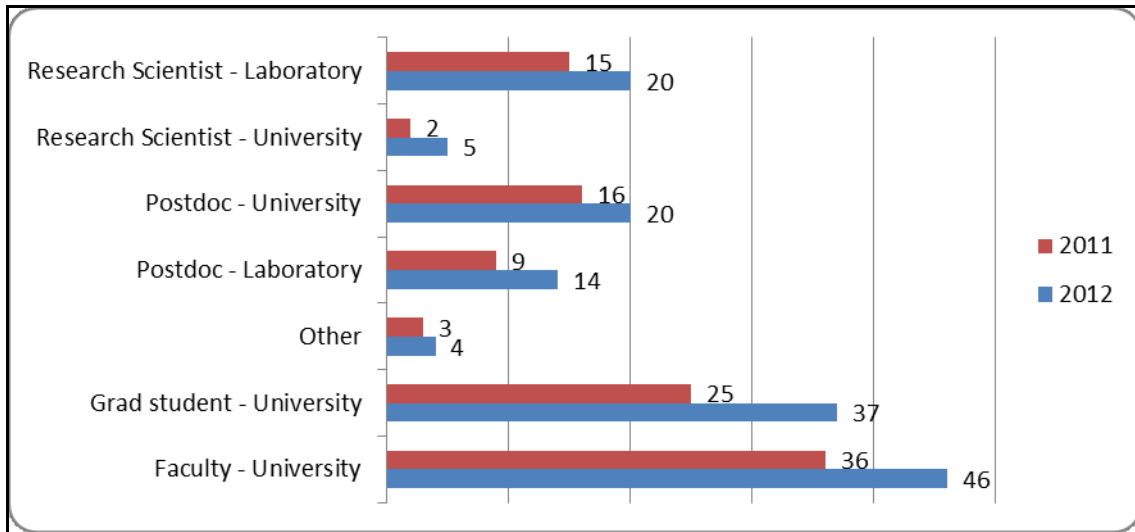


Figure 2: Distributions of 2011 and 2012 Job Classification

4.3 Progression Status

Following chart shows the progression of USQCD members from one position to another from 2011 to 2012. New members are new graduate students enrolled in the Lattice QCD graduate programs in universities. Some graduate students became postdocs and some postdocs become staff or faculty members. Sometimes individuals move to lateral positions, for example, a research scientist at a University may move to a research scientist position at a National Laboratory. The distribution of these movements is captured in the following chart.

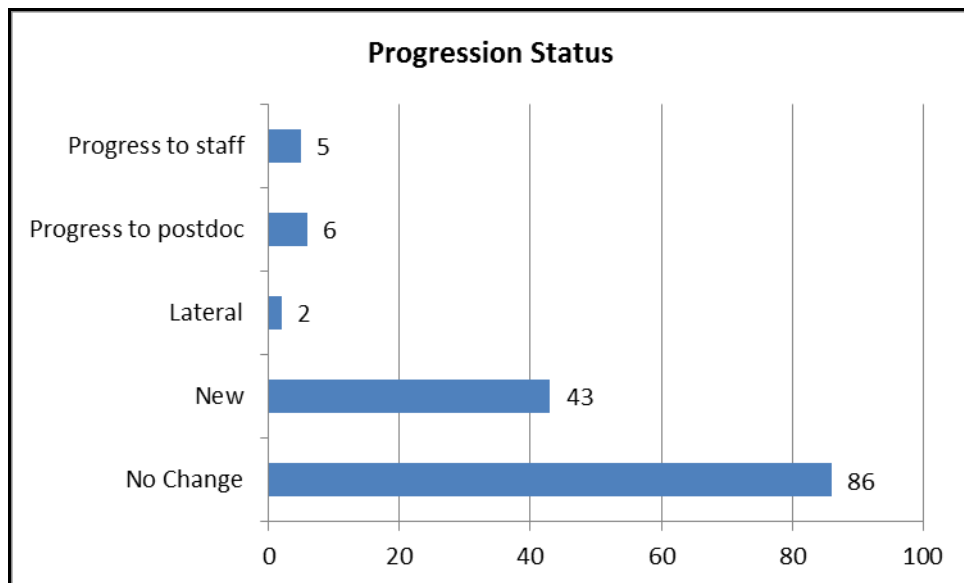


Figure 3: Progression status of the USQCD members

Appendix: List of Names Used in the 2012 Demographic Survey

First	Last	Email address	Institution
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