

Edward Brash, Christopher Newport University

Academic History

2011 – Present	Christopher Newport University, Full Professor
2004 – 2011	Christopher Newport University, Associate Professor
2000 – 2004	University of Regina, Associate Professor
1996 – 2000	University of Regina, Assistant Professor
1993 – 1996	Rutgers University, Research Associate
1990 – 1993	Simon Fraser University, Ph.D. in Nuclear Physics
1988 – 1990	Queen's University (Kingston), M.Sc. in Nuclear Physics
1984 – 1988	Queen's University (Kingston), B.Sc. in Engineering Physics

Research Profile

I have been involved in research at JLab since 1994, principally in the area of nucleon form factor measurements. I was a spokesperson for the Gep-II and Gep-III experiments in Halls A and C, respectively, and am also the spokesperson for two experiments in the 12 GeV era aimed at the measurement of free and in-medium proton form factors. I am heavily invested in the SBS program in Hall A; indeed, the CNU group is building important components of the SBS detector package, and I will also be playing an important role in simulation and analysis software development and support.

Community Service

I served on the User Group Board of Directors from 2006-2009, and on the Hall C Steering Committee from 2004-2018. I have served as Chair of the JSA Graduate Fellowship Selection Committee since 2015. I am an ex-officio member of the JLab Director's Safety Council, and have served on a number of other JLab standing committees and review panels, including the Radiation Committee (2006-2008), the IT Steering Committee (2006-2008), the JSA Initiatives Fund Committee (2010-2011), and the JSA Postdoctoral Prize Committee (2010-2011). In addition, I was appointed to serve as the CNU representative on the SURA Board of Trustees and the SURA JLab subcommittee. Finally, for many years, I have served the user community by travelling each spring to Washington D.C. to participate in the annual "Nuclear Physics on the Hill Day".

Candidate statement

At this moment, the 12 GeV upgrade is completed, and we have had a number of experiments successfully take data in all four experimental halls; this is certainly a cause of optimism going forward. With that said, I feel that there are a number of

important focus areas related to the user community at JLab that can benefit from an engaged and forward-thinking UGBOD.

1. The lab is dealing continually with highly variable and in general less than optimal funding levels. In my opinion, the UGBOD has a significant role to play in making sure that the users' concerns, suggestions, and general point of view are taken into account by the lab management moving forward in terms of how to best optimize the use of these funds (and in particular the running time available). I feel that this is especially important in light of the relatively large number of approved long-timescale experiments that one could anticipate requesting running time in the next few years.
2. It seems that there is general agreement that we have a responsibility to prepare our young scientists for future careers either directly within nuclear physics or in other related technical fields. I would suggest that the UGBOD should work to coordinate and enhance these efforts, and in particular to expand our views beyond the traditional approaches to include successful best practices from other fields. At the same time, the UGBOD can and should provide leadership and vision on the issues of diversity and work-life balance that are of particular concern to young scientists.
3. Communication of both the significance of, and the exciting potential future developments in nuclear physics to both the general public and to other related professional/academic disciplines serves both the common good, as well as our field directly. It appears that there is a historically demonstrable link between public knowledge and appreciation of science and federal funding levels. The UGBOD can promote and enhance these activities in the user community and can provide support to the existing JLab efforts in this area as well.