Gabriel Niculescu, James Madison University

Academic History

2016-present	James Madison University, Dept. of Physics and Astronomy, Professor
2010-2016	James Madison University, Dept. of Physics and Astronomy, Assoc. Professor
2003-2010	James Madison University, Dept. of Physics and Astronomy, Assistant Prof.
2002-2003	University of Virginia, Research Associate
1998-2002	Ohio University, Research Associate
1992-1998	Hampton University, Ph. D. in Physics
1986-1991	Bucharest University, Romania, BS/MS Applied Nuclear Physics

Research Profile

I have been an active member of the Jefferson Lab user community from before the time there was a Jefferson Lab (just CEBAF), around 1994. I also participated in neutrino experiments at FNAL. My main research interests lie in strangeness production, inclusive electron-nucleon scattering, and GPDs. I was/am (co)spokesperson on several Hall C and Hall B experiments in both the 6 GeV and the 12 GeV eras. My current focus is on the analysis of the Hall C commissioning experiments, securing funding/building the Compact Photon Source for Hall A/C, and advancing the hadronization experiments/studies in Hall B.

Community Service

Throughout I was involved and even lead a number of activities that fall into the category of "Service" to the JLab community. In no particular order these include: serving as Hall B librarian in the 6 GeV era; serving for 2 years in the Hall C SHMS Steering Committee; building and testing detectors for Hall C (original HMS drift chambers in the 6 GeV era. SHMS scintillator hodoscope) and Hall A (extensive (as in "many thousands") GRINCH and ECAL phototubes testing, as well as software development (analysis and simulation) for Hall C; developing the Compact Photon Source for Hall A/C. I also recall serving as the goalkeeper in a game, many years ago, where a team from (the then new) Jefferson Lab won (4-2) against an MIT-Bates team on their own (artificial) turf.

Candidate Statement

As the world around us becomes increasingly more polarized and budgets allocated to fundamental science become scarcer and uncertain I believe it is incumbent upon the Jefferson Lab user community not only to achieve "more with less", but also to be more eloquent in articulating, in as plain language as possible, the importance of the work carried out at JLab to the society at large, including elected officials, community, and even faith leaders. Drawing on my 15+ years of teaching at a primarily undergraduate institution I have ample experience in both of this areas. As it fulfills its glue-like role between the user community and the laboratory management the UGBoD should, in my view, also redouble its efforts to educate and advise graduate students and postdocs about possible career options beyond JLab.