The Catholic University of America  
Department of Physics  
Colloquium  

Duilia de Mello  
The Catholic University of America  

The Ultraviolet Universe  

I will present an overview of the research we do using Ultraviolet data. I will start by presenting why the ultraviolet part of the spectral energy distribution is important and explaining the lives of massive stars. I will summarize the latest results on the project known as blue blobs and present several examples of stellar clusters found in the debris of colliding galaxies. I will also show the deepest UV data taken with Hubble Space Telescope UVIS camera and identify ultraviolet sources known as UV clumps in the Ultra Deep Field. I will show how these clumps are related to the formation of disks in spiral galaxies at 5 to 10 billion years ago.

Wednesday, October 15, 2014  
4:00pm  
106 Hannan Hall  
Refreshments will be served at 3:45  

Sponsored in part by the Graduate Student Association  
For more information, please contact:  

Duilia de Mello (202)-319-5325  

If you would like to request disability accommodations, please contact Gail Hershey at (202)-319-5315 to make arrangements.