

Gordon Richards, Dept. of Physics

I have recently returned from the COSPAR 2010 meeting held in Bremen, Germany on 18-25 July 2010 (http://www.cospar-assembly.org/admin/session_cospar.php?session=172). This is the bi-annual meeting of the Committee on Space Research and is the biggest astronomical conference focused on research from space. I gave an invited talk during session "E17: Cosmic Feedback" on "Observations of AGN outflows and their contribution to feedback".

Our session had no identified "keynote speaker", but the schedule worked out such that I was first, so I prepared my talk with more background material than I might otherwise have. One of the organizers (Gerry Kriss) was very thankful that I did and said that my talk made for an excellent keynote talk to get things started. As a result, he asked if I might come down to Baltimore sometime this year and give a colloquium at the Space Telescope Science Institute. Most important for me was that I was also able to present some new results that I think should help maintain my status as someone at the forefront of this area of research (and Drexel as a good place for students to come to if they want to work in this area).

Overall, the conference was very productive for me. I was able to run into two Canadian colleagues and convince one to finish a long forgotten about paper that is significant for my work. I was able to have a number of extended lunch/dinner discussions with my other Canadian colleague who is a co-author with me on a number of papers in preparation. I was also able to attend a session on "high-redshift" science, which is another area of focus for me. This allowed me to touch base with another set of colleagues.

I have never been to one of these meetings before as they are rather expensive (450 euro registration fee and generally not in the US). Support from an ITA award was a significant factor in enabling my attendance at this meeting. At nearly \$3000 for the trip (airfare being over \$1200 even *with* a Saturday night stay-over), my international travel budget would not have been enough without this extra bit of help.



