

**NRAO/Socorro Special Colloquium Series**

**Robert Minchin**

*Arecibo*

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**Chasing the Gas: The Arecibo Galaxy Environment Survey**

**Abstract:**

The Arecibo Galaxy Environment Survey (AGES) is carrying out deep neutral hydrogen observations of different environments in the local universe. I will discuss recent results, including observations of the neutral hydrogen environment of isolated galaxies and of the population of gas clouds around M33. I will also introduce our planned Widefield Arecibo Virgo Extragalactic Survey (WAVES), which will extend AGES-depth coverage to most of the Virgo cluster. This is expected, based on AGES results on a part of the cluster, to uncover numerous neutral hydrogen clouds that lie below the column-density threshold of shallower surveys such as ALFALFA.

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**December 10, 2015**

**11:00 am**

**Array Operations Center Auditorium**

**All NRAO employees are invited to attend via video, available in Charlottesville Auditorium, Green Bank Auditorium, and VLA Video Conference Room.**

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