



The **Australian Institute of Physics**
(SA branch)

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in conjunction with the **Women in Physics** Group
and **National Science Week** presents the

“Claire Corani Memorial Lecture”,

a **FREE PUBLIC LECTURE** in the

AIP 2001 Women in Physics International Lecture Series

in **UNION HALL, Adelaide University,**

at **7:30pm, Monday 14th May 2001**

**“Gravitational Waves: a new window to the
Universe”**

by **Dr Gabriela Gonzalez**

Department of Physics,
Pennsylvania State University



Abstract:

Gravitational waves provide a new and unique way to look at the Universe, making possible the study of black holes and strong gravity fields. Even though their existence was predicted by Einstein at the beginning of the century, they are weak enough to have escaped detection so far. Large-scale interferometric observatories are being built over the world (including Australia!) to find the elusive waves and create a new and different map of the sky. I will describe the allure of gravitational waves, the experimental challenge involved in their detection, and the exciting prospects for the near future.

The Claire Corani awards will be presented at this meeting.

Please direct enquiries to the following contacts:

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