*The Role of Water in Planetary Science*

# March 21, 2007

## 12:00 noon - 1:00pm

Discussion of associated readings afterward (1pm-2pm)
To see the list of associated readings, go to the CIPS website: http://cips.berkeley.edu/events

# WHAT MAKES WATER WET:
## AN OVERVIEW OF THE MOLECULAR LEVEL PROPERTIES OF WATER


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The unique chemical and physical properties of liquid water are a direct result of it highly directional hydrogen-bond network structure and associated dynamics. However, despite intense experimental and theoretical scrutiny spanning more than four decades, a coherent description of this network remains elusive. Here I would like to give a brief overview of the many unique properties of liquid water, and how these properties are thought to be related to the molecular level structure. Furthermore, I will also discuss recent experimental and theoretical work which has lead to both controversy and new insights into this ubiquitous system.


*Weekly seminars organized by Mate Adamkovics (Astronomy) & Sarah Zaranek (EPS) & sponsored by CIPS.*