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Abstract for an Invited Paper  
for the MAR06 Meeting of  
the American Physical Society

**Second Harmonic and Sum Frequency Studies of Aqueous Interfaces<sup>1</sup>**

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Among the topics to be discussed are ultrafast electron transfer at aqueous/organic interface, method for measurement of the absolute orientation of molecules at interfaces, second harmonic imaging studies of live nerve cells, time permitting second harmonic studies of gold nanorods at the air/aqueous interface.

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