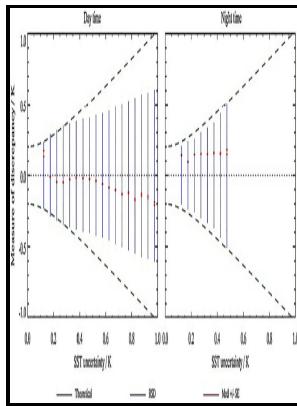


# Nonlinear spectroscopy - 8-9 July 2002, Seattle, Washington, USA

## SPIE - Konferenzen

Description: -



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 Pennsylvania -- Poetry.  
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 Law reports, digests, etc. -- Great Britain.  
 Spectroscopic imaging -- Congresses.  
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Tags: #Nonlinear #Impedance #Analysis #of #La0.4Sr0.6Co0.2Fe0.8O3

## Interfacial Vibrational Dynamics of Ice Ih and Liquid Water

However, NLEIS employs larger perturbations in order to excite and probe harmonics associated with nonlinear rates.

## Exploiting chemistry and molecular systems for quantum information science

This research field was growing rapidly, stimulated by tech. These measured harmonics are particularly sensitive to the electrode's thermodynamic and kinetic properties—both of which are expected to have very distinct and specific nonlinear behavior. Invited review article: Single-photon sources and detectors.

## Exploiting chemistry and molecular systems for quantum information science

We observe that the equilibration time strongly increases going from water to alcs.

## Nonlinear Impedance Analysis of La0.4Sr0.6Co0.2Fe0.8O3

Photonic crystals for compact dispersion compensators PECS-V , Kyoto, Japan , März 2004 Eich, M. Second harmonic generation and magnetic-dipole-electric-dipole interference in antiferromagnetic Cr 2O 3. Second-harmonic light generation in crystals with natural optical activity.

## Interfacial Vibrational Dynamics of Ice Ih and Liquid Water

August 6th, 1987 Host: Dr. Depth-profile secondary ion mass spectroscopy DP-SIMS and nonlinear impedance analysis suggest at least part of this effect may result from Sr sequestration.

## Giant nonreciprocal second

SPIE's 36th Annual International Technical Symposium on Optical and Optoelectronic Applied Sciences and Engineering , San Diego, USA , July 1992 Eich, M. Towards single-molecule NMR detection and spectroscopy using single spins in diamond. The authors report the 1st observation of coherent vibrational dynamics in a H bond obtained by femtosecond nonlinear measurements in the mid-IR spectral range.

### **Interfacial Vibrational Dynamics of Ice Ih and Liquid Water**

Hierarchical molecular design and synthesis, from small molecules to supramolecular assemblies, combined with new spectroscopic probes of quantum coherence and theoretical modelling of complex systems, offer a broad range of possibilities to realize practical quantum information science applications.

### **Nonlinear spectroscopy**

Within experimental uncertainty, we find no evidence for a frequency dependence of  $\tau_1$  for ice, implying relative homogeneity of the hydrogen-bonded OH groups for ice. Slow dynamics on a time scale of the order of 10-100 ps is observed.

## Related Books

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