

Subject: SPIE meeting in August
From: Barry Madore <barry@ipac.caltech.edu>
Date: Sat, 6 Apr 2002 08:53:58 -0800 (PST)
To: chris@wolf.ipac.caltech.edu
CC: barry@ipac.caltech.edu (Barry Madore)

Chris

I would like to get travel authorization for a SPIE Meeting in Hawaii this August. I will be presenting a paper, entitled "Optimal Sampling and Signal Detection"

Here is the Web site

<http://www.spie.org/Conferences/calls/02/as/>

Dates: Aug 22-28, 2002

Place: Waikoloa, Hawaii

Fly out Aug 21. Return trip Aug 29, 2002

Thanks,

Barry

Here is the Abstract

"Optimal Sampling and Signal Detection"

Barry F. Madore
NASA/IPAC Extragalactic Database
California Institute of Technology

We discuss a search strategy for the discovery of periodically variable sources, based on small numbers of observations, distributed non-uniformly over a finite observing window. We explore such topics as sampling-induced errors, magnitude errors, random sampling, optimal sampling, and introduce an algorithm designed to provide optimal sampling originally for the discovery of variables stars using the Hubble Space Telescope.