



AUSTRALIAN INSTITUTE OF PHYSICS

South Australian Branch

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LASERFEST: The Laser is 50!

A free Public Lecture, held in celebration of the laser's 50th anniversary.

“Lasers: 50 years young with a brilliant future”

presented by **Professor Hans Bachor**

Director of the ARC Centre of Excellence for Quantum-Atom Optics
Australian National University

7:00 p.m. Tuesday 17th August 2010

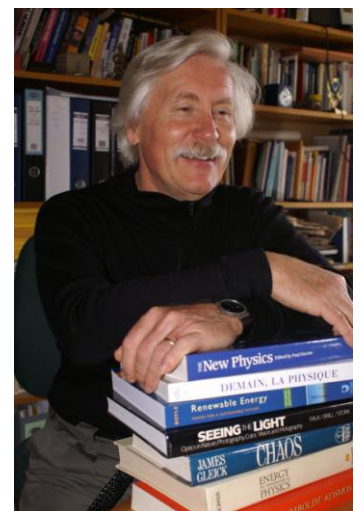
Napier 102 Lecture Theatre,

University of Adelaide, North Tce., Adelaide.

Open to the general public - no booking required.

ABSTRACT: All of us use lasers, all of us rely on lasers when we communicate, watch a video, drive a car or need medical help. 100 years ago these possibilities were unheard of - just ideas in the mind of a few. 50 years ago the first laser sent out the first pulse of light, now it is one of the underlying technologies. How does it actually work? Why is it so powerful? What might the future bring? This will be discussed in this fast paced lecture about lasers.

Biography: Prof. Hans-Albert Bachor is the Director of the Australian Research Council Centre of Excellence for Quantum-Atom Optics (ACQAO), a national centre to study atoms and light at the quantum level and to explore options for future quantum technologies. He received his diploma and doctorate in Physics from the University of Hannover, Germany. He was attracted to Australia in 1981 by the Australian National University where he has been teaching Physics at all levels with great enthusiasm and success.



Laserfest is an initiative of the Optical Society of America.

Supported by the **Australian Institute of Physics (SA Branch), Australian Optical Society, National Science Week and The University of Adelaide.**