Schedule				
	Tue (31/05)	Wed (01/06)	Thu (02/06)	Fri (03/06)
09:00-09:30	XXXXXXX	OPENING		
09:30-10:00		S1	S6	SHORT
10:00-10:30			S7	COMMUNICATIONS
10:30-11:00		COFFEE BREAK		
11:00-11:30		\$2	S8	S11 & CLOSING
11:30-12:00				
15:00-15:30	REGISTRATION	S 3		
15:30-16:00		S4	S9	
16:00-16:30		COFFEE BREAK		
16:30-17:00		S 5	S10	





II ASP

The Amazonian Symporium on Phyricr (ASP) ir an introductory to mid-level rymporium intended to be regularly held by the Graduate Program in Phyricr at the Pará Univerrity. prevently a Federated Institution of the ICTP.

This second edition of the Amazonian Symposium on Physics will be mainly focused on Analogue Models of Gravity, celebrating the 30 year of the publication of Bill Unruh's paper "Experimental Black-Hole Evaporation?" (PRL, vol. 46, p. 1351-1353, 1981), which played a seminal role leading to the currently vibrant field of Analogue Models of Gravity.

The Amazonian Symporium on Phyrics is targeted for young researchess and graduate students in Physics, as well as for last-year undergraduate students, wishing to quickly learn the basics of the Analogue Models of Gravity, which is a rapidly developing field, from some of the world's leading experts.

The II ASP will be held in the Belém Campur of the Federal University of Pará. In the gateway to Amazonia. the Belém Campur is located on the shore of the river Guamá, one of the rivers which form the Guajará bay.



Bill Unruh among the lecturers and other participants of the Amazonian School on Quantum Theory and Applications, held in Belém (Brazil), in February 2008



Aerial view of the Belém Campus of the Federal University of Pará, where the ASP is held. Photo by Manoel Neto.



Seminar (SI): A Survey on Analogue Modelr of Gravity -William George Unruh (Univerrity of Britizh Columbia. Canada)

Seminar (S2): Analog Model for Quantum Gravity Effects: Phonons in Random Fluids - Nami Fux Svaiter (Centro Brasileiro de Pesquisas Físicas. Brazil)

Seminar (53): Analog cormology with rpinor Bore-Einrtein condenrater - Erteban Adolfo Calzetta (Univerridad de Buenor Airer, Argentina)

Seminar (SA): Entanglement Entropy and Mutual Information Production Rates in Acoustic Black Holes-Stefano Giovanazzi (Universität Heidelberg. Germany)

Seminar (55): Detecting Observer-Related Quantum Phenomena in Dilute Ultracold Bose Gases-Uwe Robert Fischer (Seoul National University, Korea)

Seminar (S6): Radiation from moving refractive index perturbation: – dynamical Cazimir effect. Unruh or Hawking radiation? - Ralf Schützhold (Univerzität Duizburg-Ezzen. Germany)

> Seminar (S7): Experimental superradiant scattering - Mauricio Richartz (Universidade Estadual de Campinas, Brazil)

Seminar (58): Quantum amplifierr. and amplifier noize - William George Unruh (Univerzity of Britizh Columbia. Canada)

Seminar (59): Scattering and absorption in acoustic hole spacetimes - Ednilton Santos de Oliveira (Universidade Federal do Pará. Brazil)

Seminar (S10): Quarinormal moder. ruperreronance.and ronic bombr in acourtic holer - Joré Pizarro de Sande e lemor (Univerridade Técnica de lirboa. Portugal)

Seminar (STT): Measurement of stimulated Hawking emission in an analogue system -William George Unruh (University of British Columbia. Canada)



Night view showing the Jesuitical Church Santo Alexandre and square, in Belém