

**PSAS'2014: International Conference on
Precision Physics of Simple Atomic Systems
- 1st announcement (Aug, 28th, 2013) -**

Dear Colleague,

It is our pleasure to announce the next International Conference on Precision Physics of Simple Atomic Systems (PSAS) to be held in Rio de Janeiro May, 25-30, 2014.

The conference is devoted to precision studies of simple atoms and molecules in order to develop new approaches and to access various fundamental issues within and beyond atomic physics, and possible new physics. Applications include aspects from particle and nuclear physics, atomic and molecular physics, astrophysics, and metrology, among others.

The conference topics include:

- . Precision spectroscopy of hydrogen, its isotopes and other light or exotic atoms
- . Precision frequency measurements and determination of fundamental constants
- . Quantum electrodynamics and advanced quantum mechanics
- . Casimir Effect and its applications
- . Study of pure leptonic systems, muonic and exotic atoms
- . Study of few-electron ions with medium and high Z
- . Search for variation of fundamental constants and tests of fundamental symmetries
- . Structure of light nuclei and other hadronic effects
- . Fundamental constants of particle physics

The conference continues series of PSAS meeting. The previously organized conferences are took place in Eltville, DE (2012), Les Houches, FR (2010), etc.

The conference site is the Brazilian Center for Physics (CBPF), located in Botafogo, just 1 km away from the Copacabana beach.

For more information please contact us or visit our website

<http://www.if.ufrj.br/~lenz/PSAS2014/PSAS2014.html>.

Soon we will open the pre-registration with special early registration discount. Please note that the conference will happen just 2 weeks prior to the Soccer World Cup. Early planning is therefore advised.

On behalf of the organizing Committee,

Savely Karshenboim / Claudio Lenz Cesar / Humberto Brandi