

# Workshop - IUPAP

(International Union for Pure and Applied Physics)

## New Challenges in Pure and Applied Physics

10-13 October 2017- University of São Paulo, São Paulo - Brazil

The General Assembly of the International Union of Pure and Applied Physics (IUPAP) will be held for the first time in her history in Latin America. In conjunction with this event, a special workshop will be organized to discuss the new challenges in many areas of Physics. World leaders in physics and leaders of IUPAP commissions will provide overall perspective in their respective fields and areas. Some of the special guests are: W. Phillips (Nobel Prize 1997), D. Wineland (Nobel Prize 2012); Robin Kaiser (France), Mark Raizen (USA). The workshop is an excellent opportunity to follow the progress in major fields of physics. This event is therefore highly recommended for all students and researchers in Physics.

### General Topics and Speakers

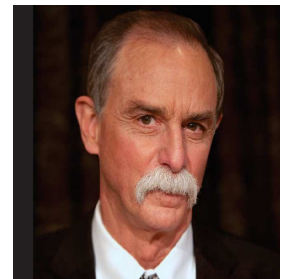
Astrophysics  
Astroparticle physics  
Atomic, Molecular & Optical Physics  
Biological Physics  
Computational Physics  
Gender in Physics  
Fundamental Constants and Units  
Laser Physics & Photonics  
Low Temperature Physics  
Magnetism  
Mathematical Physics  
Nuclear Physics  
Particle & Fields  
Physics Education  
Physics for Development  
Plasma Physics  
Semiconductors  
Statistical Physics  
Structure & Dynamics

Grazina Tautvaišienė (Lithuania)  
Sunil Gupta (India)  
Toshiyuki Azuma (Japan)  
Aihua Xie (USA)  
HaiQing Lin (China-Beijing)  
Igle Gledhill (South Africa)  
Peter J. Mohr (USA)  
Deborah Kane (Australia)  
John Saunders (England)  
Xiao-Feng Jin (China-Beijing)  
Manfred Salmhofer (Germany)  
Robert Tribble (USA)  
Juan Fuster (Spain)  
Hideo Nitta (Japan)  
Sandro Scandolo (Italy)  
Minh Quang Tran (Switzerland)  
Belita Köller (Brazil)  
Itamar Procaccia (Israel)  
J. Raynien Kwo (China-Taipei)

### Special Guests



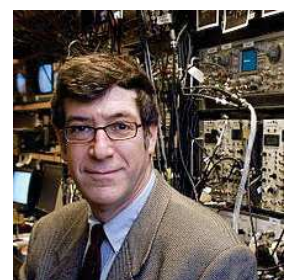
W. Phillips



D. Wineland



R. Kaiser



M. Raizen



### Organizers

Vanderlei Bagnato  
Alinka Lépine-Szilý

Do not miss this opportunity to discuss new challenges in many areas of Physics.

Venue: University of São Paulo - SP - Brazil (Biblioteca Brasileira).

Free attendance (registration is required)

Registration and Information: <http://www.ifsc.usp.br/iupap2017/>

or [eventosoptica@ifsc.usp.br](mailto:eventosoptica@ifsc.usp.br)

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