

# CURRICULUM VITAE

## VICTOR FLAMBAUM APPOINTMENTS

- 1991–present: Professor, Chair of Theoretical Physics, Head of Department of Theoretical Physics, University of New South Wales.
- Since 2003 - Scientia Professor , with 30 % salary loading above full professor salary.
- 2005-2009,2010-2014 Australian Professorial Fellow.
- 1974–1991: Institute for Nuclear Physics , Novosibirsk. Positions: Trainee-researcher, PhD student, Junior Scientist, Senior Scientist, Lead Scientist.
- 1975–1991: Novosibirsk State University. Positions: Assistant, A/Prof., Professor.

## MAJOR AWARDS and HONOURS:

- 2009 **Boas medal** (Australian Institute of physics).
- 2009 **Lyle medal** (Australian Academy of Science).
- 2002 **Centenary medal** (Australia).
- 1983 **Lenin komsomol prize** (highest USSR prize with age limit).
- 1981 SD USSR Academy of Science award.
- 1974 Award for best student research work, all-USSR competition.
- 2005 UNSW award for Research Excellence in Science.
- 2000 Templeton award (USA, International).
- 2005 Argonne Fellowship (USA).
- 2005,2010 Australian Professorial Fellowship.
  - 2000 **Fellow of Australian Academy of Science.**
  - 2010 Fellow of American Physical Society.
  - 1992 Fellow of Australian Institute of Physics.
  - 2001 Faculty Professor, UNSW.
  - 2003 Scientia Professor, UNSW.
  - 2004-2006 Member, National Committee for Physics.

A number of the works have been described in APS news, Physics Today, Physics World, Scientific American, Nature, newspapers (New York Times, USA Today, Washington Post, Sydney Morning Herald, Izvestia, etc.), magazines, radio, TV.

## FELLOWSHIPS AND LONG-TERM VISITS:

- 2005,2006,2007 Argonne National Laboratory (Fellow).
- 2003-2004 Institute for Advanced Study, Princeton (Member).
- 1998 Princeton University (Visiting Fellow).
- 1996 Harvard University (Visiting Fellow)and Harvard- Smithsonian Centre for Astrophysics (leader of the topical group on violation of fundamental symmetries in atoms at ITAMP).
- 1990-1991 Joint Institute for Laboratory Astrophysics (Visiting Fellow).
- Visiting Scholar: Niels Bohr Institute, Harvard- Smithsonian Centre for Astrophysics, European Centre for Theoretical Nuclear Physics ECT\*, Perimeter Institute for Theoretical Physics, NEC Research Institute, Universities of Notre Dame, Milan (at Como), Tel-Aviv, Minnesota, Michigan State.

## PUBLICATIONS

- over 292 publications (26 in 2009) in atomic, nuclear, elementary particle, solid state, statistical physics and astrophysics in all branches of Physical Review (A,B,C,D,E,L), and leading European journals. 1 Science and 13 Phys. Rev. Lett. papers in 2006-2009. 7452 ISI citations (plus a comparable number of preprint citations not included to ISI), ISI h-index 46.

### **Invitations to give plenary talks at large international conferences including**

- 22th International Conference on Atomic Physics, 2010;
- 20th International Conference on Atomic Physics, 2006;
- 17th International Conference on Atomic Physics, 2000;
- 16th International Conference on Atomic Physics, 1998;
- Gell-Mann symposium, 2010.
- 75 years since Solvay, 2008. Particle physics, Astrophysics and Quantum Field Theory.
- 14th International Conference on Particle Physics, String Theory and Cosmology, PASCOS 08.
- 17th International Spin Physics Symposium SPIN 2006;
- International school "Atomic Optics and Space Physics", 2007;
- Joint international conference Frequency-Time-Navigation, 2007;
- 3rd International Symposium on Symmetries in Subatomic Physics, 2000;
- Chaos in systems of interacting particles, 2001;
- Quantum information: entanglement, decoherence and chaos, 2001;
- DAMOP and DPF Meetings of American Physical Society, 2002;
- Conference on Intersection of Particle and Nuclear Physics, 2003;
- International Conference on Laser Spectroscopy, 2003;
- Nobel symposium, 1992;
- Many other conferences (about 100 invited talks altogether, 31 published).

Number of recent invitations to give talks at international conferences: 8 in 2006; 9 in 2007, 16 in 2008, 14 in 2009.

### **Invitations to participate in long-term international research programs and workshops at centres for theoretical physics**

- 1988,1991,1996,2001 Institute for Theoretical Physics, Santa Barbara;
- 1998 International Centre for Theoretical Physics, Trieste;
- 1992,1993,1994,1995,2002,2007,2008 National Institute for Nuclear Theory, Seattle;
- 1995, 1998, 2000, 2009 European Centre For Nuclear Theory (ECT\*), Trento.

### **RESEARCH GRANTS 1999-2009**

- 6 Large Australian Research Council (Discovery) grants,
- Marsden grant (with P. Schwerdtfeger)
- 8 small 1-year grants.
- IREX grant (for collaboration with Princeton),
- Templeton foundation award in cosmology (with John Webb).

My name has also been included into a number of international grants with many co-authors.

I supervised 12 PhD and 17 Honours projects.

### **DEGREES**

- 1987 Doctor of Science (full professor degree).
- 1978 Ph.D, Institute of Nuclear Physics, Novosibirsk.
- 1974 B.Sc. (Physics) with Excellence. Novosibirsk University.