

CURRICULUM VITAE

VICTOR FLAMBAUM

BORN: November 20, 1951, Russia. Australian citizen.

DEGREES

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

APPOINTMENTS

- 1991–present: Professor of Theoretical Physics (Chair), Head of Department of Theoretical Physics, University of New South Wales.
- Since 2002 - Scientia Professor (Distinguished Professor), with 30 % salary loading above full professor salary.
- Since 2005 Australian Professorial Fellow (no teaching duties).
- 1974–1991: Institute for Nuclear Physics of USSR Academy of Science, Novosibirsk. Positions: Trainee-researcher, PhD student, Junior Scientist, Senior Scientist, Lead Scientist.
- 1975–1991: Novosibirsk State University. Positions: Assistant, A/Prof., Professor.

Temporary appointments:

- 2005-2007 Argonne National Laboratory (Fellow).
- 2003-2004 Institute for Advanced Study, Princeton (Member);
- 2002 Harvard- Smithsonian Centre for Astrophysics (ITAMP);
- 1998 Princeton University (Visiting Fellow);
- 1996 Harvard University and Harvard- Smithsonian Centre for Astrophysics (leader of topical group on violation of fundamental symmetries in atoms at ITAMP);
- 1990-1991 Joint Institute for Laboratory Astrophysics (Visiting Fellow);
- 1988 Niels Bohr Institute (Visiting Scholar);
- 1-2 months visits to Universities of Notre Dame, Milan (at Como), Tel-Aviv, Minnesota, Michigan State, NECRI.

MAJOR AWARDS and HONOURS:

- 2002 Centenary medal (Australia).
- 1983 Lenin komsomol prize for science (official USSR prize).
- 1981 USSR Academy of Science (Siberian division) award.
- 1974 Award for best student research work, all-USSR competition.
- 2005 UNSW award for Research Excellence in Science.
- 2000 Templeton award.
- 2005 Argonne Fellowship.
- 2005 Australian Professorial Fellowship.

- 2000 Fellow of Australian Academy of Science.
- 1992 Fellow of Australian Institute of Physics.
- 2001 Faculty Professor, UNSW.
- 2003 Scientia Professor (Distinguished Professor), UNSW.
- 2004-2006 Member, National Committee for Physics.
- Every year the American Physical Society publishes a list of the most interesting results in physics. Our work appeared in the 2001 list. Other works of ours were mentioned in different years. A number of our works have been described in Physics Today, Physics World, Scientific American, Nature, etc.

PUBLICATIONS

- more than 200 publications (more than 60 during last 5 years) 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.

Invitations to give keynote plenary talks at large international conferences including • 16th International Conference on Atomic Physics, 1998;

- 17th International Conference on Atomic Physics, 2000;
- 20th International Conference on Atomic Physics, 2006;
- 17th International Conference Spin Physics Symposium SPIN 2006;
- 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 (more than 70 invited talks altogether).

In 2006 I was invited to give talks at 7 international conferences in Italy, Austria, Germany, USA (2), Canada, Japan, Greece.

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 National Institute for Nuclear Theory, Seattle;
- 1995, 1998, 2000 European Centre For Nuclear Theory (ECT), Trento.

RESEARCH GRANTS 1999-2004

Alone I obtained all the grants I applied for:

- 4 Large Australian Research Council (Discovery) grants,
- 6 small ARC/UNSW 1-year grants.
- IREX grant (for collaboration with Princeton),

Shared:

- Templeton foundation award in cosmology (with John Webb),
- Los Alamos grant (with experimental team).