

Vladimir TIKHONCHUK

born: January 30, 1948, Odessa, USSR

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Education and academic titles

PhD degree: Moscow Engineering Physics Institute, Moscow, USSR, 1974

Doctor of Science: P. N. Lebedev Physics Institute, Rus, Acad, of Sciences, Moscow, 1987

Member Senior of the Institute Universitaire of France, MHER, 2008

Professional Experience

09/2009 to present: professor of university of except. class, University Bordeaux 1.

09/2004 to 09/2009 : professor of university of 1st class, University Bordeaux 1.

09/2001 to 09/2004 : professor of university of 2nd class, University Bordeaux 1.

05/1974 to 09/2001: scientist, Lebedev Physics Institute, Rus, Acad, of Sciences, Moscow

Supervision of graduate students:

During 90ies more than 10 students under my supervision obtained the PhD degrees

Recent PhD diploma: 8 doctorants en co-direction en 2006-2010

Actually 4 graduate students are carrying out the PhD projects under my supervision

Professional responsibilities:

Group leader: group of Hot and Dense Plasmas since 2003 in CELIA

Deputy director of the laboratory CELIA since January 2007

Responsible for the specialty « Fusion Sciences » at the University Bordeaux 1, since 2006

Member of Steering Committee of the federation « Formation aux sciences de la fusion », since 2006

Member of Scientific Committee of the laboratory CELIA, since 2003

Member of Committee of Specialists of the Establishment (sections 28-30) 2005 - 2008

Member of Scientific Committee of the Department MPPU of CNRS, 2006 -2010

Member of Board/Chair « Beam & Plasma Inertial Fusion » of the European Physical Society (EPS) elected 2006 - 2010

Editor of the « European Physical Journal D » since 2005

Member of Board of editors of the « Nuclear Fusion » since 2008

Five relevant publications:

1. A Debayle, J J Honrubia, E d'Humières, V T Tikhonchuk, *Characterization of laser-produced fast electron source for fast ignition*, Plasma Phys. Control. Fusion **52** 124024 (2010)

2. S Davis, V Tikhonchuk, E d'Humières, S Weber, Proton beam Weibel instability simulations of energy transfer in gamma-ray bursts, Journal of Physics: Conference Series **244** 04206 (2010)

3. V T Tikhonchuk, Physics of laser-assisted ion acceleration, Nuclear Instr. Meth. Phys. Res. A **620** 1 (2010)

4. Y Liu, A Houard, B Prade, S Akturk, A Mysyrowicz, and V T Tikhonchuk, Terahertz radiation source in air based on bifilamentation of femtosecond laser pulses, Phys. Rev. Lett. **99** 135002 (2007).

5. [V. T. Tikhonchuk](#), Interaction of a beam of fast electrons with solids, Physics of Plasmas **9** 1416 (2002).