

CV Davide Bassi

Born in Genoa (Italy) on 30 September 1948.

Davide Bassi (DB) graduated in Physics at the University of Genoa in 1971, discussing a thesis (under the supervision of Fernando Tommasini and Giacinto Scoles) in which the first evidence of “orbiting” collisions between atoms was shown.

Early in his scientific career, DB got a NATO fellowship for the development of cryogenics infrared detectors. In 1975, DB joined the University of Trento where he set up a new Molecular Beam Laboratory.

Davide Bassi's research activity covered various aspects of the Physics of Matter. In particular, he was interested in:

- elementary interactions of atomic hydrogen in the gas phase;
- spectroscopy of atoms, molecules and clusters;
- reaction dynamics of ion / neutral systems;
- ionic and neutral beams;
- technologies for ultra-high vacuum and mass spectrometry.

Part of this work was carried out in collaboration with external laboratories (Department of Chemistry, University of Waterloo (CND), Institut für Ionenphysik, Leopold Franzens Universität, Innsbruck (A), Laboratoire de Physique des Lasers, Université Paris Nord, Villetaneuse (F), LURE, Center Universitaire Paris-Sud, Orsay (F), Department of Chemistry, University of Perugia (I), Elettra, Gas Phase Beam Line, Trieste (I), Departament de Química Física, Universitat de Barcelona (E)).

DB also worked on industrial applications of gas detection technologies. He has been a consultant for several companies (Carlo Erba Strumentazione, PHI Physical Electronics, Electrolux, Whirlpool, MEMC Electronic Materials, etc.).

DB has been involved in many research programs funded by the European Commission. In particular, he coordinated the European network MCInet on "Generation, stability and reaction dynamics of multiple charge ions" (2000-2004).

In 1987 he was appointed as full professor of Electronics at the University of Trento. He served as director of the Department of Physics, coordinator of the degree course in Physics, president of the internal evaluation commission of the University of Trento and dean of the Faculty of Sciences.

From 2004 to 2013 he was elected Rector of the University of Trento. In the same period he actively cooperated with the Conference of Italian University Rectors, also

playing the role of Italian delegate at the European University Association (EUA) in Brussels.

DB left the University of Trento in 2013, at the age of 65. In recent years he has been working as a consultant on behalf of numerous public and private institutions active in the field of higher education and research.

From 2012 to 2017 he was president of the Pezcoller Foundation, an organization that supports cancer research. Among other activities, the Pezcoller Foundation manages – in close collaboration with the American Association for Cancer Research – one of the most prestigious international awards in the field of oncology.

He is currently vice-president of the Università della Svizzera Italiana (USI) in Lugano (CH) and member of the Board of Directors of the Pezcoller Foundation.

In 2006 he received the SASP Award – in the form of the Erwin Schrödinger Gold Medal – for his contributions to ion-neutral particle collision studies.

In 2009 he received the "Certificate of Appreciation" of the USA – Italy Fulbright Commission for the activity carried out in support of the Fulbright program

In 2011 he was appointed as honorary member of the Italian Association for Science and Technology.

In 2013 he was appointed as honorary senator of the Free University of Bolzano/Bozen