



## Dr. Fausto Tullio Livio Gratton

Master and PhD in Physics of the University of Buenos Aires (UBA). Postgraduate courses in plasma physics and nuclear fusion in Rome (fellowships of Comitato Nazionale per l'Energia Nucleare (CNEN) and EURATOM (*European Nuclear Agency*)). Past Researcher, Superior Class, of *Consejo Nacional de Investigaciones Científicas y Técnicas* (CONICET) at the *Instituto de Física del Plasma*, (CONICET – FCEyN/UBA), Ciudad Universitaria, 1428, Buenos Aires, Argentina. Was co-founder and then for many years director of that institute (up to june 2009).

Since 2001 Gratton is Academician of *Academia Nacional de Ciencias de Buenos Aires*. From that time he was also a member of the Directive Board, serving in several positions. Was Vice-President I during 2015-2016 and presently (2019) he serves as Pro-secretary. He is also the Director of the *Instituto de Estudios de Ciencia y Tecnología -Amílcar Argielles* of the Academy, that organize public academic meetings on scientific and technological problems, and two cultural cycles: *Science and Development*, and *Science and World Vision*.

His field is plasma physics (ionized gases). Published as first author or co-author more than 170 papers in international journals, or proceedings of international congresses on interplanetary space plasmas, astrophysical plasmas magneto-hydrodynamics, nuclear fusion, fluid mechanics and statistical mechanics (often by invitation). From the nineties Gratton is interested in the Sun –Earth connection by the Solar Wind, the interplanetary magnetic field, and coronal mass ejections. He collaborates with researchers of the *Space Science Center*, University of New Hampshire, NH, USA.

Gratton is Past Full Professor of Physics of *Universidad de Buenos Aires*, Facultad de Ciencias Exactas y Naturales, from 1973 to 2004. From 2005 a 2016 he was Full Professor of Physics at the *Pontificia Universidad Católica Argentina* (UCA), Facultad de Ciencias Fisicomatemáticas e Ingeniería. During several years he was invited full professor at the *Technische Universität Graz* and also at the *Karl Franz Universität*, two universities of the city of Graz, Austria. In many occasions he was visiting researcher at universities and scientific institutes of USA, England, Italy, Brasil, Chile and Colombia.

Gratton is a Consultant Member of the *Consejo Argentino para las Relaciones Internacionales* (CARI), Committee of International Nuclear Matters (from 2007). He was a member of the Board of Directors of the Argentine *Consejo de Investigaciones Científicas y Técnicas* (CONICET) 1990-1991 and several times member of Consultant Committees and the Board of Grade Reports of that institution. He was representative for Latin America of the Committee of Italian Scientists of the World, appointed by the Italian Republic Governement (2002-2006).

He is interested in the relationship between science and faith. Attended many meetings on these topics, among which the *Simposios de Santa María de la Armonía* (Fundación Argentina de Cultura y CONICET) at Cobo (Mar del Plata, Argentina). He published a dozen of essays on epistemology and history of physics.