CURRICULUM VITAE AND SCIENTIFIC ACTIVITY : Dr. Claudio MACCONE, Ph. D.

Born in Torino (Turin), Italy, on February 6, 1948.

March 25, 1972

Obtained his first degree ("Laurea") in Physics at the University of Turin with the top mark of 110 points out of 110 and "praise" ("lode").

March 27, 1974

Obtained a second degree ("Laurea") in Mathematics at the University of Turin again with the top mark of 110 points out of 110 and "praise" ("lode").

October 1, 1974

Awarded a "Council of Europe Higher Education Scholarship" by the British Council, enabling him to read for a Ph. D. at the Department of Mathematics of the University of London King's College. There he obtained his Ph. D. on September 24, 1980. His thesis embodied the Karhunen-Loève eigenfunctions of the power-like time-rescaled Brownian motion, later published in several papers.

June 2, 1977

Awarded a Fulbright scholarship enabling him to study and reside in New York City. There he researched the theory of stochastic processes at the Department of Electrical Engineering of the Polytechnic Institute (now Polytechnic University) of New York.

Septem. 19, 1985

Joined the Space Systems Group of Aeritalia (now Alenia Spazio), in Turin, as a technical expert for the design of artificial satellites. At Alenia, he is involved in the design of space missions like the Quasat satellite for radioastronomy, the Tethered Satellite flown by the U.S. Space Shuttle in 1992 and 1996, the design of a Solar Sail to reach Mars while being pushed by sunlight, etc.

May 30, 1993. Submitted a formal M3 Proposal to ESA for the design, construction and launch of the "FOCAL" space mission. This spacecraft/antenna is intended to be launched outside the solar system to the distance of 550 Astronomical Units (3.17 light days) to exploit the huge radio magnification provided by the gravitational lens of the Sun, as predicted by general relativity.

October 1994. His first book was published in the United States by IPI Press. Entitled "Telecommunications, KLT and Relativity" (ISBN 1-880930-04-8).

October 5, 1997. Elected "Corresponding Member" of the International Academy of Astronautics (IAA) in the Class of the Engineering Sciences.

February 1998. His second book was published in the United States by IPI Press. Entitled "The Sun as a Gravitational Lens: Proposed Space Missions" (ISBN 1-880930-10-2).

October 3, 1999. His second book (on the Sun's gravity lens and space missions) was awarded the "1999 Book Award for the Engineering Sciences" by the International Academy of Astronautics.

October 2000. Elected Co-Vice Chair of the SETI Committee of the International Academy of Astronautics and appointed Coordinator of the IAA Cosmic Study on the "Lunar Farside Radio Lab".

September 2, 2001. Asteroid #11264 was named "Claudimaccone" in his honor by the International Astronomical Union (IAU). The relevant motivation (as from the IAU Minor Planet Circular #43382) spells: "Claudio Maccone…participated in the design of some scientific space missions and submitted a proposal for a space mission to exploit the radio magnifications provided by the gravitational lens of the Sun". More at the NASA-JPL site **http://neo.jpl.nasa.gov/cgi-bin/db?name=11264&group=all .**

September 30, 2001. Elected "Full Member" of the International Academy of Astronautics.

April 27, 2002. Awarded the "Giordano Bruno Award" by the SETI League "for technical excellence in the service of SETI", as at the web site **http://www.setileague.org/awards/brunowin.htm .**

Has published over seventy scientific and technical papers, most of them in "Acta Astronautica".

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