

CURRICULUM VITAE RICCARDO GIACCONI

EDUCATION:

Doctorate in Physics 1954, University of Milan, Italy

PROFESSIONAL EXPERIENCE

Assistant Professor of Physics, University of Milan, 1954 - 1956

Research Associate (Fulbright Fellow), Indiana University, 1956 – 1958

Research Associate, Cosmic Ray Laboratory, Princeton University, 1958-1959

American Science & Engineering, Inc., Cambridge, Massachusetts, 1959 – 1973, Senior Scientist, Member of the Board of Directors (1966-1973), Executive Vice President (1969-1973)

Associate Director, High Energy Astrophysics Division, Harvard-Smithsonian Center for Astrophysics, 1973 - 1981

Professor of Astronomy, Harvard University, 1973 - 1982

Principal Investigator on several NASA programs, including: SAS-A (UHURU), 1960 – 1981, SO-54 (SKYLAB), HEAO-2 (Einstein), AXAF Interdisciplinary Scientist (Chandra), 1986 -

Director, Space Telescope Science Institute, Baltimore, Maryland, 1981 - 1992

Professor of Astronomy, The Johns Hopkins University, Baltimore, Maryland, 1981 - 1999

Chairman of the Board, Istituto Donegani, Italy, 1987 - 1988

Professor of Physics and Astronomy, University of Milan, 1991 - 1999

Director General, European Southern Observatory, Germany 1993 - 1999

President, Associated Universities, Inc., Washington, DC, 1999 - 2004

University Professor, The Johns Hopkins University, Baltimore, Maryland, 1999 - current

HONORS:

Fulbright Fellow, 1956 - 1958

Helen B. Warner Award of the American Astronomical Society, 1966

Como Prize of the Italian Physical Society, 1967

Röntgen Prize in Astrophysics for 1971 of the Physikalisch-Medizinische Gesellschaft, Würzburg, Germany, 1971

NASA Medal for Exceptional Scientific Achievement, 1971

NASA Distinguished Public Service Award, 1972

Richtmyer Memorial Lecturer, American Association of Physics Teachers, 1975

Space Science Award, American Institute of Aeronautics and Astronautics, 1976

NASA Exceptional Scientific Achievement Medal, 1980

Elliott Cresson Medal of the Franklin Institute, Philadelphia, 1980

Catherine Wolfe Bruce Gold Medal of the Astronomical Society of the Pacific, 1981

Dannie Heineman Prize for Astrophysics, AAS/AIP, 1981

Henry Norris Russell Lecturer of the American Astronomical Society for 1981

Gold Medal of the Royal Astronomical Society, 1982

The A. Cressy Morrison Award in Natural Sciences, The New York Academy of Sciences, 1982

Wolf Prize in Physics, 1987

Nobel Prize in Physics, 2002

NASA Distinguished Public Service Award, 2003
Cavaliere di Gran Croce Ordine al Merito della Repubblica Italiana, 2003
President's National Medal of Science, 2003
Gold Medal of the Italian Ministry of Instruction, University and Research, 2005

HONORARY DEGREES:

Honorary Doctor of Science, The University of Chicago, 1983
Laurea Honoris Causa in Astronomia, The University of Padua, 1984
Honorary Doctor of Science, University of Warsaw, 1996
Laurea Honoris Causa in Physics, University of Rome, 1998
Honorary Doctor of Technology and Science, University of Uppsala, Sweden, 2000
Laurea Honoris Causa, University of Chile, 2004
Laurea Honoris Causa, University Paul Sabatier, Toulouse, France, 2004

ACADEMIES:

American Academy of Arts and Sciences, Fellow
National Academy of Sciences, Member
Accademia Nazionale dei Lincei, Foreign Member
The Royal Astronomical Society, Associate Member
American Philosophical Society, Member
Max-Planck Society, External Member

MEMBERSHIPS:

American Astronomical Society
American Association for the Advancement of Science, Fellow
American Physical Society, Fellow
Astronomical Society of the Pacific
Cosmos Club

PUBLICATIONS:

X-ray Astronomy (co-editor) 1974
Physics and Astrophysics of Neutron Stars and Black Holes (co-editor) 1978
A Face of Extremes: The X-ray Universe (co-ed.) 1985
Over 300 publications in professional journals

CONTRIBUTIONS TO SCIENCE:

Discovery of first X-ray emitting star (SCO X-1) and the X-ray background (1962)
Discovery of X-ray binaries and intergalactic plasmas in clusters (1972)
Development of X-ray optics for use in astronomical research with satellites:
Skylab (1973); EINSTEIN (1979)
Proposal for a 1.2 meter X-ray telescope in 1963, ultimately flown on Chandra
Establishment of the Space Science Telescope Institute (1981-1992)
Supervision of the construction of the Very Large Telescope (VLT) of ESO (1993-1999)
Start of the Atacama Large Millimeter Array (ALMA) Program (1999-2004)