

Dr. N. Gopalswamy is a staff scientist at NASA's Goddard Space Flight Center (GSFC) working on problems in solar-terrestrial physics. In particular he is interested in the solar origin, interplanetary propagation, and the geospace impact of large-scale disturbances from the Sun such as coronal mass ejections and high speed streams. He is a member of the SOHO, Wind, and STEREO mission teams working on remote-sensing and in situ data. He also directs the CDAW Data Center, which provides processed data on coronal mass ejections heavily used by the international Space Weather community.

Previously Dr. Gopalswamy was a Research Professor at the Catholic University of America (1997 – 1999) and a Research Scientist at the University of Maryland, College Park (1985-1997). Between 1983 and 1985 Dr. Gopalswamy worked for the Indian Institute of Astrophysics, running the Kodaikanal Observatory as its Resident Scientist. He received his B.Sc. and M.Sc. (Physics) degrees from the University of Madras (1975 and 1977) and a Ph.D. in Plasma Physics from the Indian Institute of Science in Bangalore (1982).

Dr. Gopalswamy has made significant contributions to the study of coronal mass ejections, especially on their particle radiation and magnetic storm aspects, relevant to space weather and space climate. His discovery of coronal mass ejection cannibalism and the deflection of CMEs by coronal holes have made lasting impact in our understanding of the role played by CMEs in Sun-Earth connection. He has also characterized interplanetary shocks driven by CMEs in terms of their particle acceleration capability using radio and white light observations from space and ground. He has trained more than a dozen young scientists and students, who continue to be productive in the physics of Sun-Earth connection. Over his career to date, Dr. Gopalswamy has authored or coauthored more than 300 research papers. A full list of publications can be found in <http://cdaw.gsfc.nasa.gov>.

Dr. Gopalswamy is well-known for his service to the scientific community. He has been actively participating in the organization of several commissions of the International Astronomical Union (IAU) since the mid 1990s. He successfully organized the Solar Heliospheric and Interplanetary Environment (SHINE) group (2003 – 2005). He worked as the International Coordinator of the successful International Heliophysical Year (IHY) during the years 2005 - 2009 and organized active groups in more than 70 countries in the world. He represents IAU in the SCOSTEP Bureau. He has served as the Associate editor of Geophysical Research Letters and the Journal of Geophysical Research. He is currently one of the scientific editors of Sun and Geosphere. Dr. Gopalswamy is the lead editor of 4 books including an AGU Monograph and a co-editor of three other books.