

## CURRICULUM VITÆ

NOVEMBER, 2011

### NAME, NATIONALITY

Bo Y. Thidé, Swedish

### ACADEMIC DEGREES AND APPOINTMENTS

*Professor*, Scuola Galileiana di Studi Superiori (Galilean School of Higher Studies), University of Padua, Padua, Italy, 2011.

*Professor*, Space Physics and Wireless Communication, Växjö University, 2002.

*Professor*, Head of Programme 'Physics in Space', Swedish Institute of Space Physics (IRF), Uppsala, (appointed by the Swedish Government), 2000.

*Associate Professor*, Space Physics (formerly Geocosmical Physics), Uppsala University, May, 1984.

*Ph.D.* (Wave theory, Semiclassical Physics), Department of Theoretical Physics, Uppsala University, Sweden, June, 1979.

*M.Sc.*, with honours (Majors: Mathematics, Physics, Theoretical Physics. Minors: Theoretical Philosophy, Computer Science, Astronomy, Meteorology, Theory of Science), Uppsala University, Sweden, May, 1973.

*B.Sc.*, with honours (Theoretical Physics, Mathematics, Theoretical Philosophy), Uppsala University, Sweden, February, 1972.

### PROJECT MANAGMENT

*Project Coordinator*, European Commission INTAS 2004–2007. *Programme Director*, IRF 'Physics in Space' 2000–. *Project manager*, IRF 'Wave Group' 1982–2000.

### PRIZES AND AWARDS

The Edlund prize, the Royal Swedish Academy of Sciences, for the discovery of Stimulated Electromagnetic Emissions and their use in ionospheric research, 1991.

The Lundström-Åman scholarship, Faculty of Mathematics and Science, Uppsala University, 1974–1976.

### TEACHING

For the past 36 years, Bo Thidé has taught a large variety of physics, space physics, and mathematics courses at all academic undergraduate levels, as well as at the post-graduate level.

### DOCTORAL STUDENT SUPERVISION AND COMMITTEE MEMBERSHIPS

Bo Thidé has supervised twelve students to their doctorates, five to their Licentiate degrees, and twenty to their Master's degrees. Currently he is supervisor for two PhD students. Bo Thidé has been member of more than 35 PhD examination bodies at various universities and institutes in Sweden and abroad.

### FUNDING AGENCY REVIEW COMMITMENTS

*European Commission (EC)*; *National Science and Research Council of Canada (NSERC)*; *Research Council of Norway (RCN)*; *Royal Swedish Academy of Sciences (KVA)*; *Swedish Research Council (VR)*; *National Science Foundation (NSF), USA*; *Royal Society, UK*; *Leverhulme Trust, UK*; *INTAS, European Community*; *Soros Foundation, USA*; *Swedish International Development Cooperation Agency (SIDA)*; *Qatar National Research Foundation (QNRF)*; *Georgian National Science Foundation (GNSF)*; *Superior Council of the National Fund for Scientific & Technological Development (FONDECYT), Chile*.

### CURRENT RESEARCH INTERESTS

Electromagnetic angular momentum methods for diagnostics of vorticity. Radio wave propagation and interactions. Electromagnetic radiation from turbulent space plasma (phenomenon discovered experimentally by Bo Thidé in Tromsø, Norway). Development of innovative experimental techniques for space studies. Advanced electrodynamics in the Universe. Non-equilibrium plasma processes. Computers and computing in physics. Theory of science.