

	<p>Patrick Pinet, IUGG Fellow</p>	<p>FRANCE</p>
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Patrick PINET (born on December 23rd, 1957) entered CNRS in 1985 and has 30 years of experience in the field of planetary surfaces studies related to telescopic, spaceborne and airborne remote sensing observations. He is currently senior scientist at CNRS.

Since 1985, he led or participated to 20 telescopic observing runs, with a major emphasis on high spatial resolution imaging spectroscopy of the Moon and Mars in the visible-near-infrared domains. He has developed new methodologies for hyperspectral image processing analysis, with applied aspects in the field of terrestrial geology and environmental studies. He has participated to the CLEMENTINE mission and has been in charge at C.N.E.S. (Centre National d'Etudes Spatiales) of the processing and scientific interpretation of the UV-VIS multispectral imaging data; he has also been co-Investigator on a proposal accepted by the LDAP/NASA program, dealing with the processing/ interpretation of the Lunar Prospector data set. He is co-investigator on the imaging experiment onboard SMART-1 mission (ESA) and on the HRSC/SRC camera and OMEGA imaging spectrometer onboard Mars-Express, sent with success on 2003 and currently on operation around Mars (ESA). He is currently participating to Mars Science Laboratory (MSL) mission as a scientific collaborator. He has well-settled collaboration links with the department of Planetary Geology (Brown University, R.I.,USA), department of Astronomy and Planetary Sciences (Cornell, Ithaca, USA), the Sternberg Astronomical Institute (Moscow University, Russia) and Kharkov Astronomical Institute (Ukraine). He has developed and set up at the Midi-Pyrénées Observatory, Toulouse, a national wide-angle spectral imaging laboratory facility devoted to planetary and terrestrial remote sensing multi-angular and spectrophotometric studies of rocky and soil surfaces to be used for both planetary / earth observation mission preparation and related fundamental studies purposes. He has led several airborne and in situ hyperspectral campaigns in the Sultanate of Oman to study peridotites and serpentinization processes in relation with the martian exploration.

Patrick PINET has current interests and experience in photometry and reflectance spectroscopy, planetary geology and surface mineralogy, impact cratering processes, planetary geomorphology and geodynamics. He has co-authored more than 100 peer-reviewed papers in international journals and books and 250 studies published in conference proceedings. He developed a new team at the Observatoire Midi-Pyrénées in Toulouse and has supervised 13 Ph.D. theses. From 1994 until 2003, he has been the director of the department of Planetary and Terrestrial Geophysics « Dynamique Terrestre et Planétaire » at the Observatoire Midi-Pyrénées, a laboratory involved in space techniques and geodesy, planetary sciences, seismology, mantle convection, tectonics and quantitative geomorphology. From 1991 until 1999, he was adjunct-Secretary General of I.U.G.G. (International Union of Geodesy and Geophysics). Since January 2011, he is adjunct-director of IRAP (Institut de Recherches en Astrophysique et Planétologie), a new laboratory of 300 persons at Midi-Pyrénées Observatory. In recognition of his scientific achievements in the field of the exploration of the physical and compositional properties of the Moon and terrestrial planets, IAU has named in 2005 the asteroid 2000 NB 14 as 18111 Pinet. Patrick has a warm-hearted family (married, with two great daughters). His main hobbies are skiing, mountain-hiking, travelling and discovering foreign languages.