RICHARD S. WILLIAMS, JR., Ph.D.
Geoscience Information Services
368 Shepherds Ridge Circle, Charlottesville, Virginia, 22901-0665, U.S.A.
(Cell Tel:1-508-344-6840; e-mail:geoinfo@comcast.net; URL: http://www.geosci.info)

Dr. Richard S. Williams, Jr., is Director-Science, Geoscience Information Services (GIS). He specializes in using airborne and satellite remote sensing technology to carry out investigations of dynamic geologic, glaciologic, and geomorphologic processes. Iceland is a special interest, where he and his Icelandic colleagues have been studying changes associated with volcanic activity and glacier fluctuations for more than five decades. Dr. Williams is a strong proponent of cooperative international programs that use satellite image data to monitor changes globally on the Earth's surface that result from natural processes and/or human activities. Dr. Williams lectures frequently on a wide range of topics including geologic hazards, geology and geography of Iceland, global environmental change, planetary exploration, sea level, and natural and human history of the Earth (especially the human impact on the Earth System [http://pubs.usgs.gov/of/2002/of02-349]).

Dr. Williams has B.S. and M.S. degrees from the University of Michigan and a Ph.D. degree from Pennsylvania State University, all in geology. He has worked for ARCO, Raytheon, HRB-Singer, and U.S. Air Force Cambridge Research Laboratories (Air Force officer). During his military service, he was awarded the Airman's Medal, the highest non-combat award for heroism given by the USAF. Dr. Williams is an emeritus senior research geologist at the Woods Hole Coastal and Marine Science Center of the U.S. Geological Survey; Vice Chairman Emeritus, Committee for Research and Exploration, National Geographic Society; an Adjunct Senior Scientist, Woods Hole Research Center; and Senior Associate Scientist, Stefansson Arctic Institute (Akureyri, Iceland). He is a member of the Cosmos Club and Explorers Club. In 1996, he was elected a Fellow, AAAS, and awarded the Distinguished Service Award by the U.S. Department of the Interior. In 2010, he was appointed by the President, University of Virginia, for a 2-year term (2010-2012) to serve on the 5-member Board of Trustees of the Leifur Eiríksson Foundation; in 2012, he was reappointed for a 4-year term (2012-2016). Two glaciers in Antarctica are named for him: Williams Glacier and Williams Ice Stream.

Dr. Williams has authored more than 350 journal articles, book chapters, books, abstracts, open-file reports, and maps. He is former Chief, Glacier Studies Project, and co-editor with Jane G. Ferrigno of the 11-volume USGS Professional Paper 1386 A-K, *Satellite Image Atlas of Glaciers of the World* [http:/pubs.usgs.gov/factsheet/fs/2005/3056]. Ten volumes have been published to date [http://pubs.usgs.gov/pp/p1386]. The *State of the Earth's Cryosphere at the Beginning of the 21st Century: Glaciers, Global Snow Cover, Floating Ice, and Permafrost,* with a Plate, *The Earth's Dynamic Cryosphere*, and 8 Supplemental Cryosphere Notes, *The Earth's Dynamic Cryosphere and The Earth System* (1386-A) was published in 2012. In 2013, the Icelandic Meteorological Office published *Jöklakort af Íslandi* (*Map of the Glaciers of Iceland*); a second edition was published in 2017. The *Glaciers of Iceland* (1386-D, with map plate of the Glaciers of Iceland, is in preparation and will be the last in the series.

Dr. Williams continues to work closely with Oddur Sigurðsson (Icelandic Meteorological Office) on their third book, *Glaciers of Iceland* (noted above), about Iceland's glaciers: The first book, an annotated, illustrated English translation of a "*Glacier Treatise*" by the Icelandic natural historian/glaciologist/physician Sveinn Pálsson (1795), *Icelandic Ice Mountains*, was published in 2004 by The Iceland Literary Society. The second book,*Geographic Names of Iceland's Glaciers: Historic and Modern,* was published in 2008 by the USGS in cooperation with the National Energy Authority [http://pubs.usgs.gov/pp/p1746/]. He is former co-project leader with Jane G. Ferrigno and Kevin M. Foley of a cooperative international effort to accurately map, at a scale of 1:1,000,000, the dynamic cryospheric coastline of Antarctica using sequential Landsat, ERS radar, and RADARSAT images: *Coastal-Change and Glaciological Maps of Antarctica* (USGS Map Series I–2600-A–X). Ten maps have been published to date [http://pubs.usgs.gov/factsheet/fs/2005/3055]. He is co-author, with the late Harm J. de Blij (Michigan State University) and Peter O. Muller (University of Miami), of the 3rd edition of *Physical Geography. The Global Environment*, an undergraduate textbook published by Oxford University Press in 2004.