

**Jim Block**  
**Chief Meteorological Officer**

Jim Block is a Certified Consulting Meteorologist, one of only 285 in the world, with over 35 years of experience in commercial meteorology. At Schneider Electric, Jim is currently responsible for all of the weather and forecast content used in the weather products and services provided by Schneider Electric. This includes products used every day by over 100,000 businesses to make critical decisions. In 2010, Block was elected as a Fellow by the American Meteorological Society, an honor given to less than 0.2% of the membership of the Society.

Over his career, Block has led efforts to make weather forecast information useful and usable in real-world applications, especially in the energy, aviation, and agriculture industries. He has participated in the development of many capabilities pioneered at Schneider Electric and its predecessor companies, including:

- An aviation turbulence and icing forecast system for flight planning systems (patented)
- A nationwide real-time radar composite, updated every 5 minutes
- Ground Corrected Altitude Based remapped satellite images (patented)
- The first three-dimensional satellite image (patented)
- Drift down algorithm for two engine commercial aircraft (patented)
- The first commercial thunderstorm tracking display
- The first fly-through satellite images available commercially
- The integration of weather information into Geographical Information Systems (GIS)
- Alerting systems that use mobile technology to alert users of impending weather (patented)

**James H. Block**  
**Schneider Electric Weather - Director of Weather Content**  
**Curriculum Vitae**

**Personal**

- Address: 11400 Rupp Drive, Minneapolis, MN 55337
- Telephone: (952) 882-4521 (work), (952) 250-3716 (cell)
- Place/Date of birth: May 3, 1955 / Watertown, WI, USA

**Professional Service:**

- Chief Meteorological Officer, Schneider Electric, 2016-present
- Director of Weather Content, Schneider Electric, 2015
- Managing Director of Weather Systems Netherlands, Schneider Electric, 2013-2014
- Chief Meteorologist, Telvent, 2000-2012
  - Product Manager – Aviation Services 2001-2012
  - Product Manager – Agriculture Services 1998-2012
- Vice President of Systems Development, Kavouras, Inc., 1987-1999
- Director of Meteorological Development, Kavouras, Inc., 1984-1987
- Director of Meteorology, Kavouras, Inc., 1981-1983
- Meteorologist, Republic Airlines, 1981
- Forecaster, Great Lakes Weather Service, 1979-1980

**Education:**

- BS – Meteorology, University of Wisconsin-Madison, 1977
- MS – Meteorology, University of Wisconsin-Madison, 1979

**Certifications and Honors:**

- Certified Consulting Meteorologist (CCM) Certificate #441, 1989
- Elected as a Fellow of American Meteorological Society, 2010

**Professional Organizations**

- American Meteorological Society (AMS)
  - Member, Ad-hoc Committee on Implementation of a National Mesoscale Network of Networks, 2009-2010
  - Member, Ad-hoc Committee on Mobile Applications in Transportation, 2009-2011
  - Member, Committee on Intelligent Transportation Systems, 2007-2010
  - Chairman, Board for Private Sector Meteorologists, 2004-2007
  - Radio Broadcast Seal of Approval, AMS, 1981
  - Member, 1979-present
- National Council of Industrial Meteorologists (NCIM)
  - President, 2002
  - Board of Directors, 2001-2004
  - Member, 1989-present
- Commercial Weather Services Association
  - Treasurer, 1999-2002
  - Board of Directors, 1997-2003
  - Member, 1996-2003

**Appointments:**

- National Research Council, Developing mesoscale meteorological observations to meet multiple national needs, 2007-2008
- Friends/Partners of Aviation Weather, Panel Champion, 2009, Users Panel, 2006-2012
- Review Committee, Geospatial Environmental Observing System of Systems (GEOSS), 2004
- Organization Committee, AMS First Users Conference, Seattle WA 2004
- Advisor to United States delegation at World Meteorological Organization Executive Council 2002.
- International Data Exchange Working Group, 1996-2000
- National Weather Service Family of Services Working Group, 1985-2000

**Publications**

- A scalable solution for creating Terminal Aerodrome Forecasts, 12<sup>th</sup> Conference on Aviation, Range, and Aerospace Meteorology, January 2011
- Observing weather and climate from the ground up: A nationwide network of networks, National Academy of Science Report, November 2008
- Lightning Support for Public Safety, 19<sup>th</sup> International Lightning Detection Conference, April 2006
- Integrating New Weather Technology in Forecast Operations at Telvent – A New Paradigm, 22<sup>nd</sup> International Conference on Interactive Processing Systems in Meteorology, Hydrology, and Oceanography, January 2006
- Enhanced Precipitation Products – The New World of Radar-Derived Products for Commercial Applications, 21<sup>st</sup> International Conference on Interactive Processing Systems in Meteorology, Hydrology, and Oceanography, February 2005
- Weather Enabled Decision Support Systems, 20<sup>th</sup> International Conference on Interactive Processing Systems in Meteorology, Hydrology, and Oceanography, January 2004
- The Private Sector in Meteorology in 2003, 19<sup>th</sup> International Conference on Interactive Processing Systems in Meteorology, Hydrology, and Oceanography, February, 2003
- Commercial Applications of GOES, Proceedings from GOES Users Conference II, October, 2002
- Commercial weather services for surface transportation, ITS America 2002 Annual Meeting, May, 2002
- Managing the collection and dissemination of non-homogenous data from numerous, diverse, geographically scattered sources, OFCM Workshop on Data Sharing, December, 2001
- Visualization techniques applied to meteorological data to enhance understanding by the general public, WMO Congress, May, 1995
- Hurricane Hugo real-time four-dimensional digital satellite imagery with computer generated derived parameter analysis, 21<sup>st</sup> Conference on Broadcast Meteorology, June, 1990
- Operational utilization of ground-corrected altitude-based remapped satellite imagery, 6<sup>th</sup> International Conference on Interactive Processing Systems in Meteorology, Hydrology, and Oceanography, January 1990

- The dissemination of aviation weather information, 3rd International Conference on the Aviation Weather System, January 1989
- The Weatherlink VISTA system – A meteorological briefing station, 3rd International Conference on Interactive Processing Systems in Meteorology, Hydrology, and Oceanography, January 1987
- The operational use of real-time LPATS lightning data on interactive graphics systems including CSIS, the Centralized Storm Information System,, 3rd International Conference on Interactive Processing Systems in Meteorology, Hydrology, and Oceanography, January 1987
- The impact of private meteorology on private aviation, 2nd International Conference on the Aviation Weather System, July, 1986