

Sivaprasad Gogineni

Professional Preparation

Mysore University	Electrical Engineering	B.E., 1973
Kerala University	Electrical Engineering	M.Sc., 1976
University of Kansas	Electrical Engineering	Ph.D., 1984

Appointments

6/05 –	Director, Center for Remote Sensing of Ice Sheets, University of Kansas, Lawrence, Kansas
1/99 –	Deane E. Ackers Distinguished Professor of Electrical Engineering and Computer Science, University of Kansas, Lawrence, Kansas
1/97 – 1/99	Manager, Polar Program, NASA Headquarters, Washington DC (on leave from Kansas)
8/94 – 1/99	Professor, Department of Electrical Engineering and Computer Science, University of Kansas, Lawrence, Kansas
8/93 – 1/97	Director, Radar Systems and Remote Sensing Laboratory, University of Kansas Center for Research, Inc., Lawrence, Kansas
11/86 – 7/94	Assistant, then Associate Professor, Department of Electrical and Computer Engineering, University of Kansas, Lawrence, Kansas
8/85 – 11/86	Research Engineer, Radar Systems and Remote Sensing Laboratory, University of Kansas Center for Research, Inc., Lawrence, Kansas
8/84 – 5/85	Visiting Assistant Professor, Electrical and Computer Engineering, University of Kansas, Lawrence, Kansas
8/78 – 12/78	Engineer "Sc," Space Applications Center, Indian Space Research Organization, Ahmedabad, India
8/76 – 12/77	Aeronautical Engineer, Hindustan Aeronautics Limited, Hyderabad, India

Publications

Related Publications

1. Howat, I. M., I. Joughin, S. Tulaczyk and **S. Gogineni**, "Rapid retreat and acceleration of Helheim Glacier, East Greenland," *Geophysical Research Letters*, vol. 32, L22502, doi: 10.1029/2005GL024737, 2005.
2. Paden, J., C. Allen, **S. Gogineni**, D. Dahl-Jensen, L. Larsen and K. Jezek, "Wideband Measurements of Ice Sheet Attenuation and Basal Scattering," *Transactions in Geoscience and Remote Sensing Letters*, vol. 2, no. 2, pp. 164-168, 2005.
3. Joughin, I., M. Fahnestock, R. Kwok, **P. Gogineni** and C. Allen, "Ice flow of Humboldt, Petermann, and Ryder Glaciers, North Greenland," *Journal of Glaciology*, vol. 45, no. 150, pp. 231-241, 1999.
4. Thomas, R., T. Akins, B. Scatho, M. Fahnestock, **P. Gogineni**, C. Kim and J. Sonntag, "Mass balance of the Greenland ice sheet," *Science*, vol. 289, no. 5478, pp. 426-428, 21 July 2000.
5. **Gogineni, S.**, D. Tammana, D. Braaten, C. Leuschen, T. Akins, J. Legarsky, P. Kanagaratnam, J. Stiles, C. Allen, and K. Jezek, "Coherent Radar Ice Thickness Measurements over the Greenland Ice Sheet," *Journal of Geophysical Research (Climate & Physics of the Atmosphere)*, vol. 106, no. D24, pp. 33,761-33,772, 2001.

Other Publications

1. Rignot, E. J., **S. P. Gogineni**, W. B. Krabill and S. Ekholm, "North and Northeast Greenland ice discharge from satellite radar interferometry," *Science*, vol. 276, pp. 934-937, 9 May 1997. Dahl-Jensen, D., N. S. Gundestrup, K. Keller, S. J. Johnsen, **S. P. Gogineni**, C. T. Allen, T.S. Chuah, H. Miller, S. Kipfstuhl and E. D. Waddington, "A search in North Greenland for a new ice core drill site," *Journal of Glaciology*, vol. 43, no. 144, pp. 300-306, 1997.

2. Beaven, S. G., **S. P. Gogineni**, S. Tjuatja and A. K. Fung, "Model-based interpretation of ERS-1 SAR images of Arctic sea ice," *International Journal of Remote Sensing*, vol. 18, no. 12, pp. 2483-2503, 1997.
3. Allen, C., **S. Gogineni**, B. Wohletz, K. Jezek and T. Chuah, "Airborne radio echo sounding of outlet glaciers in Greenland," *International Journal of Remote Sensing, Letters*, vol. 18, no. 14, pp. 3103-3107, 1997.
4. Legarsky, J., A. Wong, T. Akins and **S. P. Gogineni**, "Detection of hills from radar data in Central-Northern Greenland," correspondence, *Journal of Glaciology*, vol. 44, no. 146, pp. 182-184, 1998.
5. Ekholm, S., K. Keller, J. L. Bamber and **S. P. Gogineni**, "Unusual surface morphology from digital elevation models of the Greenland ice sheet," *Geophysical Research Letters*, vol. 25, no. 19, p. 3623, 1998.

Synergistic Activities

1. Developed computer-based in-class demonstrations for visualizing complex electromagnetic concepts, early 1990s
2. Developed modern microwave laboratory for undergraduate education at the University of Kansas to teach fundamental concepts with advanced equipment, early 1990s
3. Teach senior design classes at the University of Kansas where students solve a significant engineering problem or develop a system using knowledge gained through the course of their studies, often leading to prototype instruments later used in research, 1988 to present
4. Served as Associate Editor for Reviews and then as Editor of *IEEE Geoscience and Remote Sensing Society Newsletter*, 1992-1997

Collaborators and Co-Editors

Recent Collaborators

Christopher Allen (KU, EECS)
 David Braaten (KU, Geography)
 Frank Carsey (JPL)
 Mark Fahnstock (U of Maryland)
 Victor Frost (KU, EECS)
 Ken Jezek (OSU, Byrd Polar Res Ctr.)
 Ian Joughin (JPL)
 Ron Kwok (JPL)
 Craig Lingle (U of Alaska Fairbanks)
 R. K. Moore (KU emeritus)
 Glenn Prescott (KU, EECS)
 Eric Rignot (JPL)
 Robert Thomas (NASA GSFC, Wallops)

Graduate Advisors

Richard K. Moore (KU, emeritus)
 Julian Holtzman (KU, emeritus)
 Frank Carsey (JPL)
 Adrian K. Fung (UT, Arlington)

Advisees (23)

Scott G. Beaven (PhD, US Navy)

Louis Brown (MS, Sprint)
 Teong Sek Chuah (DE, Silicon Wireless)
 Krishna Gurumoorthy (MS, unknown)
 Brandon Heavey (MS, JPL)
 Jason Henslee (MS, JT3)
 Pannirselvam Kanagaratnam (PhD, KU)
 Justin Legarsky (PhD, U of Missouri)
 Carlton Leuschen (PhD, Johns Hopkins)
 Gary L. Lockhart (MS, WorldCom)
 Saikiran Namburi (MS, unknown)
 Bharath Parthasarathy (MS, Garmin)
 Ravi P Rajaraman (MS, unknown)
 Harish Ramamoorthy (MS, unknown)
 Vijaya Ramasami (PhD, unknown)
 Dilip Tammana (MS, Logic Sys. Storage)
 Brad P Wohletz (MS, Sprint)
 Kuok-Wai Wong (MS, unknown)
 Timothy Rink (MS, JPL)
 Chandini Veeramachaneni (MS, current)
 Victor Jara Olivares (PhD, current)
 Jilu Li (PhD, current)
 Tiaotiao Xie (PhD, current)