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EDUCATION:

B. S., Electrical Engineering. Columbia University (1982). Graduated Tau Beta Pi (Engg. Honor Soc.) and Eta Kappa Nu (EE Honor Soc.)

M. S., Electrical Engineering. Columbia University (1983).

Ph. D., Geophysics. University of Wisconsin—Madison (1990). Thesis title: *Microearthquakes as indicators of ice stream basal conditions.*,

APPOINTMENTS:

Assoc. Prof, PSU, (2002–);

Asst. Prof, U Alabama (1999–2002)

Research Assoc., PSU (1992–1999)

Research Assoc., Los Alamos (1994–1995)

Senior Researcher, Mobil Oil (1991–1992).

PUBLICATIONS

(a) Five closely related to this proposal

S. Anandakrishnan, D. E. Voigt, R. B. Alley, and M. A. King, Ice stream D flow speed is strongly modulated by the tide beneath the Ross Ice Shelf. *Geophys. Res. Lett.*, 30(7), 13-1–13-4, 2003.

R. A. Bindschadler, M. A. King, R. B. Alley, S. Anandakrishnan, and L. Padman, Tidally controlled stickslip discharge of a West Antarctic Ice Stream, *Science*, 301:1087–1089, 2003.

Anandakrishnan, S., Dilatant till layer near the onset of streaming flow of ice stream C, determined by AVO analysis, *Ann. Glaciol.*, 36:283–286, 2003.

Anandakrishnan, S. and R. B. Alley. Tidal forcing of basal seismicity of ice stream C, West Antarctica seen far inland. *J. Geophys. Res.*, 102(B7): 15183–15196, 1997.

Anandakrishnan, S. and C. R. Bentley. Microearthquakes beneath ice streams B & C, West Antarctica: Observations and implication. *J. Glac.*, v. 39, no. 133, pp. 455–462, 1993.

Blankenship, D. D., S. Anandakrishnan, J. Kempf, and C. R. Bentley. Microearthquakes under and alongside ice stream B, detected by a new passive seismic array. *Ann. Glac.*, 9:30–34, 1987.

(b) Five other significant publications

Anandakrishnan, S., D. E. Voigt, P. Burkett, B. Long, and R. C. Henry, Deployment of a broadband seismic network in West Antarctica, *Geophys. Res. Lett.*, 27, 2053–2056, 2000.

Anandakrishnan, S., R. B. Alley, R. W. Jacobel, and H. Conway, The flow regime of ice stream C and hypotheses concerning its recent stagnation, in *The West Antarctic Ice Sheet: Behavior and Environment*, ed: R. B. Alley and R. A. Bindschadler, Antarctic Research Series, pp. 283–296, AGU, 2001.

Anandakrishnan, S., D. D. Blankenship, R. B. Alley, and P. L. Stoffa. Influence of subglacial geology on the position of a West Antarctica ice stream from seismic measurements, *Nature*, v. 394, pp. 62–65, 1998.

Anandakrishnan, S. and R. B. Alley. Stagnation of ice stream C, West Antarctica by water piracy. *Geophys. Res. Lett.*, 24(3):265–268, 1997.

Anandkrishnan, S., R. B. Alley, and E. D. Waddington. Sensitivity of ice-divide position in Greenland to climate change, *Geophys. Res. Lett.*, v. 21, no. 6, pp. 441-444, 1993.

SYNERGISTIC ACTIVITIES:

(a) Remote/Autonomous seismic instrumentation development (Anubis and Tamseis seismic projects); Autonomous instruments workshop; Advisor to the Dartmouth Autonomous Geophysical Observatory.

(b) Scholarly servicereviews of NSF, NERC, and Italian Antarctic Program proposals; reviews of journal mss.; council member of IGS.

(c) Community service: Chair NSF OPP Office Advis. Cmte; Cmte of Visitors; McMurdo Area Users' Cmte. Education: Taught graduate classes in Seismology, Glaciology; undergrad classes in Intro Geology.

(d) Outreach: talks to local schools, community groups; numerous contacts with press; White House OSTP.

COLLABORATORS

R. B. Alley (PSU), R. Bindshadler (NASA), D. D. Blankenship (UT Austin), H. Conway (U. Washington), C. Holland (PSU), R. Jacobel (St. Olaf's), I. Joughin (NASA), E. C. King (BAS), M. A. King (NCL), C. J. Marone (PSU), D. L. Morse (UT Austin), A. Nyblade (PSU), B. Parizek (PSU), A. M. Smith (BAS), D.A. Wiens (Washington U. St. Louis).

Advisors: M. C. Teich (Columbia Univ), C. R. Bentley (UW Madison)

Students: M. S.: Seung Yoo, 1998, Peter Burkett, 2000, Paul Winberry, 2003, Leo Peters, expected 2004, Satyakee Sen, 2004, Ph. D.: Jerry Bowling, expected 2004, T.J. Cho, expected 2005

Postdoc advisee: A Huerta.