

Faculty Name: Premkumar B. Saganti, Ph. D. Work Address: P.O. Box 519; MS 2230

Prairie View, TX 77446

Position Title: Professor and Coordinator of Physics

Office Location: E. E. O'Banion Science Building, Room 330AD

Office Phone: 936-261-3134

Email Address: pbsaganti@pvamu.edu

Education:	Degree and Area of Study	Institution Name	Degree Date
	B.Sc., Physics and Mathematics	Andhra Christian College, India	1982
	M.Sc., Nuclear Physics	Andhra University, India	1986
	M.S., Electro Optics	University of Houston, TX	1991
	Ph. D., Physics	Andhra University, India	1994
Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Professor of Physics	Prairie View A&M University	2008 - Present
	Associate Professor of Physics	Prairie View A&M University	2003 - 2008
	Adj Professor of Physics	University of St. Thomas	2008 - Present
	Adj Professor of Comp Science	University of Houston - CL	1994 - Present
	Adj Professor of Comp Engr	University of Houston - CL	1994 - Present
	Research and Teaching Fellow	University of Houston - CL	1989 - 1994

Professional Publications:

Book [ISBN: 978-1-46526-857-0] Editors – Erickson and **Saganti**: Physics II- 2121/2521 Laboratory Manual, Authors - Cudnik, Bentley, Ciftja, Storr, and Rahman, 2015

Book [ISBN: 978-1-46525-598-3] Editors – Erickson and **Saganti**: Physics I- 2111/2511 Laboratory Manual, Authors - Cudnik, Bentley, and Rahman, 2014

Book [ISBN: 978-1-55899-886-5] Materials in Extreme Environment, Editors: Daryush Ila, Christian Mailhiot, and **Premkumar Saganti**, MRS Publication, 2006

Book Chapter [ISBN: 1402-01696-4] P.B. Saganti, F. A. Cucinotta, J. W. Wilson, et al., Radiation Climate Map for Analyzing Risks to Astronauts on the Mars, *2001 Mars Odyssey*, Edited C.T. Russell, Springer Verlag, NY, 2004

Book [NASA-TP-212051] F. A. Cucinotta, M. R. Shavers, **P.B. Saganti**, and J. Miller (Editors): Radiation Protection Studies of International Space Station Extravehicular Activity Space Suits, *NASA/TP-JSC*-212051, December 2003

Book [NASA-TP-210792] F. A. Cucinotta, J. W. Wilson, **P.B. Saganti**, X. Hu, M. Y. Kim, T. F. Cleghorn, C. J. Zeitlin, and R. K. Tripathi, Physics of the Isotopic Dependence of GCR Fluence Behind Shielding, *NASA-TP-2003-***210792**, 2003

Book [NASA-TP-29295] F. A. Cucinotta, W. Shimmerling, J. W. Wilson, L. Peterson, G.D. Badhwar, **P.B. Saganti**, and J. Dicello, Space Radiation Cancer Risk Projections for Exploration: Uncertainty Reduction and Mitigation, *NASA/TP-JSC*-29295, 2001

Book Chapter [ISBN-0-471-39005-4] P.B. Saganti and K. P. Lulla, Windows of Opportunity - A Photo Illustration of the Mir Windows (as a PI of NASA Shuttle-Mir work); Chapter-8 of Dynamic Earth Environments Ed. KP Lulla and LV Dessinov, 2000

Book [NASA-TP-28578] P. B. Saganti, Mir Window Survey; A NASA JSC Technical Document, JSC-28578, 1999

Book [NASA-TP-27698] P.B. Saganti, Viewing Study of the International Space Station (ISS): *A NASA JSC Technical Document*, JSC-**27698**, 1996

Additional Trainings/Skills:

Harvard University, Boston, MA: Harvard School of Public Health – Executive Radiation Safety Officer (RSO) for Laboratory Professionals, Training and Certification (April 2015)

Harvard University, Boston, MA: Harvard School of Public Health – Radiological Emergency Planning: Terrorism, Security, and Communication, Training (Jul-Aug 2014)

ICTP, Trieste, Italy – Abdus Salam International Centre for Theoretical Physics and American Physical Society (APS) AIP Industrial Physics Forum 2012 (April 2012)

Stanford University, Stanford, CA: National Light Source – Stanford Linear Accelerator Center (SLAC), Training in Advanced Light Sources Operation and Research (July 2011)

Oxford University, Oxford, UK – Invitee for Oxford Round Table – Teaching with Mentorship in Sciences, International Partnership for STEM Programs (Aug 2008)

University of Southern California – Computing Cluster Development and Training for Department of Defense Applications, University of Southern California (Jan 2007)

Brookhaven National Laboratory, Upton, NY – Guest Scientist: NASA Space Radiation Laboratory, Training and User Certification (2001 – Present)

Los Alamos National Laboratory, Los Alamos, NM – Guest Scientist: Working with Weapons Neutron Research (WNR) of Los Alamos Neutron Science Center (LANSCE), Training and User Certification (2004 – Present)