Last	First	year	Technical rpt #/Dept.	Dissertation
Acworth	Edward Buxton	Jun-00	ME (DeBra)	*An artificial star for in-situ telescope calibration*
Amin	Mustafa Abdulkader	Aug-08	Physics (Wagoner)	*Probing gravity on disparate scales*
Axelrad	Penina	Oct-90	SUDAAR-598 (Parkinson)	*Closed loop GPS based orbit trim system for gravity probe B*
Barrows	Andrew Kevin	May-00	SUDAAR 723 (Powell)	*GPS 3-D cockpit displays : sensors, algorithms, and flight testing*
Bell	Thomas	Jun-99	AA (Parkinson)	*Precision robotic control of agricultural vehicles on realistic farm trajectories*
Bencze	William Joseph	Dec-96	EE (Franklin)	*Gyroscope spin axis direction control for the gravity probe b satellite*
Berberian	John Edwin	Aug-99	Physics (Everitt)	*Scalar-field coordinates and the spherically symmetric Einstein equations for a zero-mass scalar field*
Bernier	Robert John	Jun-01	ME (DeBra)	*The design, optics, controls and calibration of Artificial Star #3 for Gravity Probe B*
Bevly	David Mark	Aug-01	ME (Parkinson)	*High speed, dead reckoning, and towed implement control for automatically steered farm tractors using GPS*
Bleckmann	Michael	Dec-93	WZL, Germany (König) 162265	*A test of computer controlled programs for the fabrication of high precision quartz spheres*
Bol	Morris	May-65	Physics (Fairbank)	*The Measurement of the London Moment*
Bourke	Roger D	May-64	SUDAER-189 (Cannon)	*Theoretical and experimental study of a superconducting magnetically-supported spinning body*
Bracken	Thomas Daniel	Mar-71	Physics	*Comparison of microwave induced constant voltage steps in weakly coupled superconductors*
Brumley	Robert Willard	Mar-04	EE (Franklin)	*The gyroscope testbed : a verification of the Gravity Probe B suspension system*
Bull	John Sumter	Mar-73	AA	*Precise attitude control of the Stanford relativity satellite*
Cabrera	Blas	Mar-75	Physics (Fairbank)	*The use of superconducting shields for generating ultra-low magnetic field regions and several related experiments*
Carini	Paolo	Aug-95	Physics (Everitt)	*Gravitoelectromagnetism: an interface between our space plus time perspective of the physical world and its spacetime description in general relativity*
Chao	Yi-Chung	Jun-97	SUDAAR-702 (Parkinson)	*Real time implementation of the wide area augmentation system for the global positioning system with an emphasis on ionospheric modeling*
Chen	Jeng-Heng	Aug-83	SUDAAR-538	*Helium thrustor propulsion system for precise attitude control and drag compensation of the gravity probe-B satellite*
Claridge	David Earl	Mar-76	Physics	*Nine Gigahertz impedance properties of point-contact Josephson junctions*
Coffman	Vance Dean	May-73	SUDAAR-467	*On-line estimation of parameters using experimentally developed gyro models, and other applications*
Cohen	Clark Emerson	Dec-92	AA (Parkinson)	*Attitude determination using GPS : development of an all solid-state guidance, navigation, and control sensor for air and space vehicles based on the Global Positioning System*
Conklin	John W	Feb-09	AA (DeBra)	*Estimation of the mass center and dynamics of a spherical test mass for gravitational reference sensors*
Crerie	Jeffrey Roger	Mar-93	AA (Parkinson)	*Phase-lock roll control of inertially pointing spacecraft*
Cunningham	Charles E	Dec-91	Physics (Cabrera)	*Applications of a laser-driven superconducting switch to fundamental measurements and to low-frequency noise reduction in squid measurements*
De Freitas	Joylon Mark O.	Feb-94	Ph.D., Aberdeen, 45-3947	*Interferometric characterisation of refractive index variations in vitreous silica*
De Hoff	Ronald L.	Dec-75	SUDAAR-497	*Minimum thrustors control of a spinning drag-free satellite, including design of a large cavity sensor*
Deaver	Bascom Sine	Jan-62	Physics	*Experimental evidence for quantized magnetic flux in superconducting cylinders*
Dolphin	Michael D. M.	Sep-07	AA	*Polhode dynamics and gyroscope asymmetry analysis on gravity probe B using gyroscope position data*
Duhamel	Thierry Georges	Apr-84	SUDAAR-540	*Contributions to the error analysis in the relativity gyroscope experiment*
Eglington	Michael Lyle	Aug-00	AA	*Authority-on-demand adaptive suspension control for the gravity probe B gyroscopes*
Farquhar	Robert	May-66	SUDAAR-276	*Analog studies of the limit-cycle fuel consumption of a spinning symmetric drag-free satellite*
Feteih	Salah	Sep-89	AA	*Dynamically testing of GP B electrostatically levitated spherical gyroscopes*
Fleming	Alan Wayne	May-66	SUDAAR-266	*Use of the properties of frequency symmetry and complex symmetry in the control of linear dynamical systems*
Frederick	Dean K.	Dec-63	SUDAER-178	*Piecewise-linear switching functions for Quasi-minimum-time contactor control systems*
Gazit	Ran Y.	Aug-96	SUDAAR-678	*Aircraft surveillance and collision avoidance using gps.*
Gromov	Konstantin G.	Mar-02	AA (Parkinson)	*GIDL : Generalized interference detection and localization system*
Gutt	Gregory Mark	Aug-97	EE (Franklin)	*Enhancement, analysis and verification of the Gravity Probe B SQUID readout system*
Haupt	Gordon Thomas	Mar-96	SUDAAR-676 (Parkinson)	*Development and experimental verification of a nonlinear data reduction algorithm for the gravity probe B relativity mission.*
Hebard	Arthur Foster	Dec-70	Physics	*Search for fractional charge using low temperature techniques*
Holdeman	Louis Brian	May-73	Physics (Fairbank)	*Experimental studies of thin superconducting aluminum films*
Jacobs	Mark William	Aug-95	Physics (Wagoner)	*The metric of our universe: its form and observational effects*
Jafry	Yusuf R	Mar-92	SUDAAR-619	*Aeronomy coexperiments on drag-free satellites with proportional thrusters: GP-B and STEP*
Kalligas	Dimitri George	Nov-95	Applied Physics (Everitt)	*Observational constraints on scalar-tensor theories of gravitation and the presence of extra dimensions*
Kasdin	N. Jeremy	Mar-91	SUDAAR-606 (Parkinson)	*Precision pointing control of the spinning gravity probe B spacecraft*
Kee	Changdon	Dec-93	AA (Parkinson)	*Wide Area Differential GPS (WADGPS)*
Klinger	David L	Jul-74	SUDAAR-481	*Error modeling of precision orientation sensors in a fixed base simulation*
Ko	Ping-Ya	May-00	AA (Powell)	*GPS-Based precision approach and landing navigation : emphasis on inertial and pseudolite augmentation and differential ionosphere effect*
Lages	Christopher R	Oct-97	AA (DeBra)	*Controlled evaporation of superfluid helium in a porous plug phase separator*
Lange	Benjamin Otto	May-64	SUDAER-194 (EE)	*Control and use of drag-free satellites*
Lawrence	David Gary	Sep-96	SUDAAR-690 (Powell)	*Aircraft landing using GPS : development and evaluation of a real time system for kinematic positioning using the global positioning system*
Lee	Kou-Nan	Jun-92	SUDAAR-624 (ME)	*Wide dynamic range helium thruster design for the relativity gyroscope satellite*
Lightsey	Edgar Glenn	Feb-97	SUDAAR-706 (Parkinson)	*Development and flight demonstration of GPS receiver for space*
Liu	Gang	Sep-85	SUAA-552 (DeBra)	*Theoretical and experimental investigations of sensor location for optimal aeroelastic system state estimation*
Lorell	Kenneth Roy	Apr-71	SUDAAR-422	*Precision attitude control of symmetric spinning bodies*
Marston	Philip Leslie	Jan-76	Physics (Fairbank)	*Part I, Vortex and equilibrium surface profiles of superfluid helium-four : Part II, Tensile strength and visible ultrasonic cavitation of superfluid helium-four*
McCuan	John	Jun-95	Mathematics (Finn)	*Symmetry via spherical reflection and spanning drops in a wedge*
Montgomery	Paul Y	Aug-96	SUDAAR-688 (Parkinson)	*Carrier differential GPS as a sensor for automatic control: development of a full state estimation and flight control system for an autonomous aircraft based on the global positioning system*
Ndili	Awele Nnaemeka	Aug-98	ME (Enge)	*Robust GPS autonomous signal quality monitoring*
O'Connor	Michael Lee	Dec-97	SUDAAR-709 (Parkinson)	*Carrier-phase differential GPS for automatic control of land vehicles*
Ohshima	Yoshimi	Aug-00	SUAA-726 (Parkinson)	*Analysis and testing of gyroscope performance for the Gravity Probe B Relativity Mission*
Ortega Rodriguez	Manuel Antonio	Feb-02	Applied Physics (Everitt)	*The sound of accretion disks : an analytical investigation of diskoseismic modes and their damping and growing rates*
Parkinson	Bradford Wells	Oct-66	AA (Lange)	*The active damping of free rotor gyros*
Perez	Christopher Antonio	Dec-93	Physics (Wagoner)	*Observational signatures of rotating black holes*
Pierce	John Morley	Jun-67	Physics	*The microwave surface resistance of superconducting lead, trapped magnetic flux, and a new magnetometer using superconductivity*
Powell	J. David	May-70	SUDAAR-402	*Control of a spinning drag free satellite with an application of estimation theory*
Pullen	Samuel Phillip	Jun-96	SUDAAR-680 (Parkinson)	*Probabilistic engineering design optimization: applications to spacecraft and navigation systems*
Qin	Xinhua	Aug-91	SUDAAR-611 (Parkinson)	*Data reduction analysis for the Stanford relativity gyroscope experiment*
Ray	J. Courtney	Jan-76	SUDAAR-498	*Partially drag-free satellites with application to the Tip II Satellite*
Rehsteiner	Fritz Hugo	Mar-68	SUDAAR-340	*Static and dynamic properties of hydrostatic thrust gas bearings with curved surfaces*
Reisenberger	Michael P	Aug-94	Physics (Everitt)	*On the theoretical significance of equivalence principle tests*
Rekow	Andrew Karl Wilhelm	Mar-01	AA (Parkinson)	*System identification, adaptive control and formation driving of farm tractors*
Rose	Donald Karl	Mar-71	Physics (Fairbank)	*Superconducting order parameter measurements*
Ross	Graham Oliver	Jul-94	ME (DeBra)	*Dynamics of superfluid helium in low gravity*
Salomon	Michaël	Feb-08	AA (DeBra)	*Properties of Gravity Probe B gyroscopes obtained from high frequency SQUID signal*
Santiago Ríos	David Iván	Aug-00	Physics (Wagoner)	*Gravity, scalar fields and cosmology*

Sanz Fernandez de Cordova	Segismundo	Aug-75	SUDAAR-496	*Orientation and three-dimensional mass center estimation in a rotating drag-free satellite*
Schaechter	David Barry	Jan-77	AA	*A theoretical analysis of a relativity mission with two counter-orbiting drag-free satellites*
Selzer	Peter Michael	May-74	Physics (Fairbank)	*A study of thermally generated magnetic fields in an anisotropic crystal at low temperatures*
Swank	Aaron J.	May-09	AA (DeBra)	*Gravitational mass attraction measurement for drag-free references*
Tapley	Mark Byron	Aug-93	AA (Parkinson)	*A geodetic gravitation gradiometer coexperiment to Gravity Probe B*
Tashker	Michael Gregory	Apr-74	SUDAAR-472	*Integral control of a spinning drag-free satellite*
Teague	Edward Harrison	May-97	SUDAAR-703 (How/Parkinson)	*Flexible structure estimation and control using the global positioning system*
Uematsu	Hirohiko	Oct-93	AA (Parkinson)	*The Gravity Probe B niobium bird experiment : experimental verification of a data reduction scheme with a prototypical DC SQUID readout system*
Vassar	Richard Holt	Feb-82	SUDAAR-531 (Breakwell)	*Error analysis for the Stanford relativity gyroscope experiment*
Walter	Todd	Dec-93	Applied Physics (Turneaure)	*A gyroscope clock for a null gravitational redshift experiment*
Wiktor	Peter J.	Jun-92	ME (DeBra)	*The design of a propulsion system using vent gas from a liquid helium cryogenic system*
Wilkins	Daniel Chaim	Aug-72	Physics	*Topics in spinning bodies in general relativity*
Wilson	Edward George	May-76	Physics (Fairbank)	*Local and nonlocal effects in the penetration of magnetic fields into superconducting tin film cylinders*
Worden Jr.	Paul Wellman	Mar-76	Physics (Everitt)	*A cryogenic test of the equivalence principle*
Wu	Chang-Huei	Dec-93	AA (Parkinson)	*DC electrostatic gyro suspension system for the Gravity Probe B experiment*
Zhu	Jun	May-94	Applied Physics (Turneaure)	*Critical states in Type-II thin film superconductors*