

CURRICULUM VITAE

(abbreviated)

NOVEMBER 2016

Stefan Władysław Mochnacki

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Degrees

- B.Sc. (Honours) in Physics 1970 University of Canterbury, New Zealand
- M.Sc. (with Distinction) in Physics 1971 University of Canterbury, New Zealand
Thesis: "The W Ursae Majoris Stars:
Interpretation of Light Curves and Line
Profiles"(Supervisor: N.A. Doughty)
- Ph.D. in Astronomy 1977 University of British Columbia
Thesis: "Area Photometry with a
Multi-Diode Array"
(Supervisor: Gordon A. H. Walker)

Work History

- Nicolaus Copernicus Astronomical Center – Polish Academy of Sciences
Contract work (BRITE) 2016-
- Dept. of Astronomy and Astrophysics, University of Toronto.
Associate Professor Emeritus, 2016 -
(on Research Leave, Jan.-Aug. 2013) Nicolaus Copernicus Astronomical Center –
Polish Academy of Sciences
(on Research Leave, Dec. 2007- Jul. 2008) Institute for Astronomy, University of Vienna
(on Research Leave, May 2001 - Aug. 2002) Observatories of the Carnegie Institution of
Washington, Visiting Researcher/Engineer, May 2001- Aug.2002
- Dept. of Astronomy and Astrophysics, University of Toronto.
Associate Professor with tenure, July 1986 - Dec. 2014
- Dept. of Astronomy & David Dunlap Observatory, University of Toronto,
Assistant Professor, Sept. 1981 to July 1986.
- Dominion Astrophysical Observatory, Herzberg Inst. of Astrophysics, NRC, Victoria,
B.C., Research Associate, Oct. 1980-Aug. 1981
- Palomar Observatory, Caltech, Pasadena, CA., Research Fellow Oct. 1977-Sept. 1980.
- Geophysics and Astronomy Department, U.B.C., Ph.D. Student 1971-1977
- Kitt Peak National Observatory, Tucson, AZ. Summer Research Assistant, 1971
- Dept. of Physics, University of Canterbury, N.Z., Summer Res. Asst., 1967-70

Professional Affiliations and Activities

BRITE BEST (BRITE Executive Science Team) Member, 2008-2014
BRITE Canadian Instrument Scientist, 2007-2014
Full Member, American Astronomical Society
Member, Canadian Astronomical Society, 1981-
STARLAB Project: Member, Joint Scientific Working Group, 1982-3.

Academic History

Research Endeavours

Space Astronomy: Development of detector systems for small astronomical satellites. Photometric analysis methods. Characterising Kepler CCD Pixel Response Function.

Binary Stars: Computation of theoretical light curves and line profiles, and fitting models to observations. Structure of contact binary stars. Mapping of Starspots. Search for binaries in galactic clusters and the Magellanic Clouds.

Stellar Evolution: Observation of those close binary stars which provide important clues to the evolution of binary stars in general. Development of theoretical models to explain the observations. Interpretation of blue straggler observations.

Stellar Spectroscopy: Observation of flare stars and eruptive variables to study their outburst mechanisms. M dwarfs: activity, radial velocities, rotation.

Galaxies: Area photometry of central regions to study dynamics. Spectroscopy of globular clusters to trace out dark matter in external galaxies.

Instrumentation: Development of detectors for observation with electronic techniques. Development of versatile computer programmes for instrument control and the reduction and analysis of observations. Application of digital telecommunications and microcomputers to astronomy. Development of low-cost image processing system. Automation of small telescopes and observatories. Construction and commissioning of spectrographs. Development of nanosatellite for high-precision photometry from space.

Research Awards

NSERC-Eqpt. (PI)	1982-83	89,358
NSERC operating	1984-87	15,000 p.a.
NSERC operating	1987-90	15,000 p.a.
NSERC operating	1992-95	9,000 p.a.
NSERC operating	1995-98	9,000 p.a.
NSERC operating	1999-02	6,300p.a.
NSERC operating	2002-04	5,000p.a.
NASA (RIT, co-investigator)	2016-	100,000 p.a. est.

Scholarly and Professional Work

Papers in Refereed Journals

Pablo, H., Whittaker, G. N., Popowicz, A., Mochnecki, S. M., Kuschnig, R., Grant, C. C., Moffat, A. F. J., Rucinski, S. M., Matthews, J. M., Schwarzenberg-Czerny, A., Handler, G., Weiss, W. W., Baade, D., Wade, G.A., Zocłńska, E., Ramiaramanantsoa, T., Unterberger, M., Zwintz, K., Pigulski, A., Rowe, J., Koudelka, O., Orleański, P., Pamyatnykh, A., Neiner, C., Wawrzaszek, R., Marciniszyn, G., Romano, P., Woźniak, G., Zawistowski, T., Zee, R. E. 2016, "The BRITE Constellation Nanosatellite Mission: Testing, Commissioning, and Operations", *Publications of the Astronomical Society of the Pacific*, **128**, 125001 (issue 970, December) 20 pages.

Weiss, W. W., Fröhlich, H.-E., Pigulski, A., Popowicz, A., Huber, D., Kuschnig, R., Moffat, A. F. J., Matthews, J. M., Saio, H., Schwarzenberg-Czerny, A., Grant, C. C., Koudelka, O., Lüftinger, T., Rucinski, S. M., Wade, G. A., Alves, J., Guedel, M., Handler, G., Mochnecki, S., Orleanski, P., Pablo, B., Pamyatnykh, A., Ramiaramanantsoa, T., Rowe, J., Whittaker, G., Zawistowski, T., Zocłńska, E., Zwintz, K. 2016, "The roAp star α Circini as seen by BRITE-Constellation", *Astronomy & Astrophysics*, **588**, A54, (April) 10 pages

Pigulski, A., Cugier, H., Popowicz, A., Kuschnig, R., Moffat, A. F. J., Rucinski, S. M., Schwarzenberg-Czerny, A., Weiss, W. W., Handler, G., Wade, G. A., Koudelka, O., Matthews, J. M., Mochnecki, S., Orleański, P., Pablo, H., Ramiaramanantsoa, T., Whittaker, G., Zocłńska, E., Zwintz, K. 2016, "Massive pulsating stars observed by BRITE-Constellation. I. The triple system Beta Centauri (Agena)", *Astronomy & Astrophysics*, **588**, A55 (April) 17 pages

Weiss, W. W., Rucinski, S. M., Moffat, A. F. J., Schwarzenberg-Czerny, A., Koudelka, O. F., Grant, C. C., Zee, R. E., Kuschnig, R., Mochnecki, S., Matthews, J. M., Orleanski, P., Pamyatnykh, A., Pigulski, A., Alves, J., Guedel, M., Handler, G., Wade, G. A., Zwintz, K., 2014. BRITE-Constellation: Nanosatellites for Precision Photometry of Bright Stars, *Publications of the Astronomical Society of the Pacific*, **126**, 573-585 (issue 940, June) 13 pages.

Wang, Xiaofeng; Wang, Lifan; Filippenko, Alexei V.; Baron, Eddie; Kromer, Markus; Jack, Dennis; Zhang, Tianmeng; Aldering, Greg; Antilogus, Pierre; Arnett, W. David; Baade, Dietrich; Barris, Brian J.; Benetti, Stefano; Bouchet, Patrice; Burrows, Adam S.; Canal, Ramon; Cappellaro, Enrico; Carlberg, Raymond G.; di Carlo, Elisa; Challis, Peter J.; Crotts, Arlin P. S.; Danziger, John I.; Della Valle, Massimo; Fink, Michael; Foley, Ryan J.; Fransson, Claes; Gal-Yam, Avishay; Garnavich, Peter M.; Gerardy, Chris L.; Goldhaber, Gerson; Hamuy, Mario; Hillebrandt, Wolfgang; Höflich, Peter; Holland, Stephen T.; Holz, Daniel E.; Hughes, John P.; Jeffery, David J.; Jha, Saurabh W.; Kasen, Dan; Khokhlov, Alexei M.; Kirshner, Robert P.; Knop, Robert A.; Kozma, Cecilia; Krisciunas, Kevin; Lee, Brian C.; Leibundgut, Bruno; Lentz, Eric J.; Leonard, Douglas C.; Lewin, Walter H. G.; Li, Weidong; Livio, Mario; Lundqvist, Peter; Maoz, Dan; Matheson, Thomas; Mazzali, Paolo A.; Meikle, Peter; Miknaitis, Gajus; Milne, Peter A.; Mochnecki, Stefan W.; Nomoto, Ken'ichi; Nugent, Peter E.; Oran, Elaine S.; Panagia, Nino; Perlmutter, Saul; Phillips, Mark M.; Pinto, Philip; Poznanski, Dovi; Pritchett, Christopher J.; Reinecke, Martin; Riess, Adam G.; Ruiz-Lapuente, Pilar; Scalzo, Richard A.; Schlegel, Eric M.; Schmidt, Brian P.; Siegrist, James; Soderberg, Alicia M.; Sollerman, Jesper; Sonneborn, George; Spadafora, Anthony; Spyromilio, Jason; Sramek, Richard A.; Starrfield, Sumner G.; Strolger, Louis G.; Suntzeff, Nicholas B.; Thomas, Rollin C.; Tonry, John L.; Tornambe,

Amedeo; Truran, James W.; Turatto, Massimo; Turner, Michael; Van Dyk, Schuyler D.; Weiler, Kurt W.; Wheeler, J. Craig; Wood-Vasey, Michael; Woosley, Stanford E.; Yamaoka, Hitoshi, Evidence for Type Ia Supernova Diversity from Ultraviolet Observations with the Hubble Space Telescope, *The Astrophysical Journal*, **749**, 126, 2012 (April 20), 17 pages. (My role was as motivator of the supernova follow-up program undertaken as a collaboration between Carnegie and Berkeley after my sabbatical at Carnegie in 2001-2002)

L. Fossati, S. Mochnecki, J. Landstreet, and W. Weiss, Explaining the Praesepe Blue Straggler HD73666, *Astronomy and Astrophysics*, **510**, A8 (7 pages) (Jan. 2010)

Rucinski, Slavek M.; Pribulla, Theodor; Mochnecki, Stefan W.; Liokumovich, Evgenij; Lu, Wenxian; DeBond, Heide; de Ridder, Archie; Karmo, Toomas; Rock, Matt; Thomson, J. R.; Ogloza, W.; Kaminski, A. and Ligeza, P. Radial Velocity Studies of Close Binary Stars. XIII, *The Astronomical Journal*, **136**, 586-593, 2008

Kaiser, A., Mochnecki, S.W., Weiss, W.W. BRITe-Constellation: Simulation of Photometric Performance, *Communications in Asteroseismology*, **152**, 43-50, 2008

Rucinski, Slavek M.; Pych, Wojtek; Ogłóza, Waldemar; DeBond, Heide; Thomson, J. R.; Mochnecki, Stefan W.; Capobianco, Christopher C.; Conidis, George; Rogoziecki, P. Erratum: Radial Velocity Studies of Close Binary Stars. X. *The Astronomical Journal*, **134**, 445, 2007.

Pribulla, Theodor; Rucinski, Slavek M.; Lu, Wenxian; Mochnecki, Stefan W.; Conidis, George; Blake, R. M.; DeBond, Heide; Thomson, J. R.; Pych, Wojtek; Ogłóza, Waldemar; Siwak, Michal, Radial Velocity Studies of Close Binary Stars. XI., *The Astronomical Journal*, **132**, 769-780, 2006.

Vinkó, J.; Takáts, K.; Sárneczky, K.; Szabó, Gy. M.; Mészáros, Sz.; Csorvási, R.; Szalai, T.; Gáspár, A.; Pál, A.; Csizmadia, Sz.; Kóspál, A.; Rácz, M.; Kun, M.; Csák, B.; Fűrész, G.; DeBond, H.; Grunhut, J.; Thomson, J.; Mochnecki, S.; Koktay, T., The first year of SN 2004dj in NGC 2403, *Monthly Notices of the Royal Astronomical Society*, 369, 1780-1796, 2006

Kaluzny, J., Mochnecki, S. And Rucinski, S. "Variable Stars in the Large Magellanic Cloud: Discovery of Extragalactic W UMa Binaries", *The Astronomical Journal*, **131**, 407-413, 2006

Rucinski, S.M., Pych, W., Ogłóza, ., DeBond, H., Thomson, J.R., Mochnecki, S.W., Capobianco, C.C., Conidis, G., Rogoziecki, P. Radial Velocity Studies of Close Binary Stars. X. *The Astronomical Journal*, **130**, 767-775, 2005

Vinkó, J.; Blake, R. M.; Sárneczky, K.; Csák, B.; Fűrész, G.; Csizmadia, Sz.; Kiss, L. L.; Szabó, Gy. M.; Szabó, R.; DeBond, H.; de Robertis, M. M.; Thomson, J. R.; Mochnecki, S. W. Distance of the hypernova SN 2002ap via the expanding photosphere method, *Astronomy and Astrophysics*, **427**, 453-464, 2004

Rucinski, S. M., Capobianco, C. C., Lu, Wenxian, DeBond, H., Thomson, J. R., Mochnecki, S. W., Blake, R. M., Ogloza, W., Stachowski, G., Rogoziecki, P. Radial Velocity Studies of Close Binary Stars. VIII. *Astronomical Journal*, **125**, 3258 - 3264, 2003

Rucinski, S.M., Lu, W., Capobianco, C.C., Mochacki, S.W., Blake, R.M., Thomson, J.R., Ogloza, W. And Stachowski, G., Radial Velocity Studies of Close Binary Stars. VI. *Astronomical Journal*, **124**, 1738 - 1745, 2002

Mochacki, S.W., M.D.Gladders, J.R.Thomson, W.Lu, P.Ehlers, M.Guler, A.Hussain, Q.Kameda, K.King, P.Mitchell, J.Rowe, P.Schindler and H.Scott .
A Spectroscopic Survey of a Sample of Active M Dwarfs. *Astronomical Journal*, **124**, 2868 - 2882, 2002.

Rucinski,S.M., Lu,W., Mochacki,S.W., Ogloza,W., and Stachowski, G. Radial Velocities of Close Binary Stars. V. *Astronomical Journal*, **122**, 1974-1980, 2001.

Vinkó, J.; Kiss, L. L.; Csák, B.; Furész, G.; Szabó, R.; Thomson, J.R.; Mochacki, S. W. "The Peculiar Type Ia Supernova 1999by: Spectroscopy at Early Epochs, *Astronomical Journal*, **121**, 3127-3132 , 2001.

Hendry, Paul D., Mochacki, Stefan W. Doppler Imaging of VW Cephei: Distribution and Evolution of Starspots on a Contact Binary. *Astrophysical Journal*, **531**, 467-493, 2000.

Rucinski, Slavek M.; Lu, Wenxian; Mochacki, Stefan W. Radial Velocity Studies of Close Binary Stars. III. *Astronomical Journal*, **120**, 1133-1139, 2000.

(and 23 other papers 1971-1998).

Non-Refereed Publications

Mochacki, S.W. "Application of the GDDSYN Method in the Era of KEPLER, CoRoT, MOST and BRITE", in "Interacting Binaries to Exoplanets: Essential Modeling Tools", Proceedings IAU Symposium No. 282, 2011, Mercedes Richards & Ivan Hubeny, eds. , pp. 287-292 [Tatranska Lomnica, Slovakia, July 18 - 22, 2011] 6 pages (invited short review)

Kaiser, A.; Mochacki, S.; Moffat, A.; Weiss W.W. , "BRITE-Constellation: Science Camera Performance Simulation", The Eighth Pacific Rim Conference on Stellar Astrophysics: A Tribute to Kam-Ching Leung. *ASP Conference Series*, **404**, proceedings of the conference held 5-9 May, 2008, at Merlin Beach Hotel, Phuket, Thailand. Edited by B. Soonthornthum, S. Komonjinda, K.S. Cheng, and K.C. Leung San Francisco: Astronomical Society of the Pacific, p.350 (2009)

Rucinski, S. Bolton, C.T., van Kerkwijk, M., Mochacki, S.W. , Percy, J., Zee, R., Moffatt, A.F.J., Welch, D., and Matthews, J. "BRITE: The BRight Target Explorer: an Unbiased, Systematic Study of Stellar Variability among the Most Massive Stars", Proposal submitted to the Science Branch of the Canadian Space Agency, 5 May 2005.

Mochacki, S.W. "CMOS Detectors for BRITE",. Report prepared for the BRight Target Explorer Science Team, December 2004 and January 2005, and incorporated into the Concept Study (CSA Contract Number 9F007-046080/001/ST, PI= Dr. Slavek Rucinski). (14 pages)

Filippenko, A. V.; Foley, R. J.; Mochnacki, S.; Thomson, J.; Kirkman, D.;
Tytler, D. "Supernova 2004fz in NGC 783" *IAU Circular No. 8440*, 2004.

Bernstein, R., Sheckman, S.A., Gunnels, S. M., Mochnacki, S., Athey, A. E. "MIKE: A Double Echelle Spectrograph for the Magellan Telescopes at Las Campanas Observatory" Instrument Design and Performance for Optical/Infrared Ground-based Telescopes. Edited by Iye, Masanori & Moorwood, Alan F. M. *Proceedings of the SPIE*, Volume 4841, pp. 1694-1704 (2003).

Mochnacki, S.W. "Making the Sky Inviting: The Project to Modernise the Undergraduate Observatories of the University of Toronto", May 2000. (Proposal circulated to Department and submitted to Faculty of Arts and Science for funding).

Mochnacki, S.W. and Thomson, J., *IAU Circular No. 4990*, 1990.

(and 8 other publications 1971-2000)

Chapters in Books

Mochnacki, S.W. "Observational Evidence for Evolution of Contact Binary Stars" in *Interacting Binaries*, NATO Advanced Study Institute, Cambridge, July-Aug. 1983, P. P. Eggleton and J.E. Pringle (eds.), 1985, (Dordrecht: Reidel), pp.51-82 (invited review).

(2 others 1976-1998)

Papers Presented at Meetings and Symposia

Weiss, W. W., Moffat, A. F. J., Schwarzenberg-Czerny, A., Koudelka, O. F., Grant, C. C., Zee, R. E., Kuschnig, R., Mochnacki, S., Rucinski, S. M., Matthews, J. M., Orleński, P., Pamyatnykh, A. A., Pigulski, A., Alves, J., Guedel, M., Handler, G., Wade, G. A., Scholtz, A. L., Scholtz. "BRITe-Constellation: Nanosatellites for precision photometry of bright stars", in Precision Asteroseismology, Proceedings of the International Astronomical Union, IAU Symposium 301, pp. 67-68 (Feb. 2014) [Abstract of paper presented Aug. 2013]

Schwarzenberg-Czerny, A., Weiss, W., Moffat, A., Zee, R. E., Rucinski, S., Mochnacki, S., Matthews, J., Breger, M., Kuschnig, R., Koudelka, O., Orleński, P., Pamyatnykh, A., Pigulski, A., Grant, C. 2010. "The BRITe Nanosatellite Constellation Mission", 38th COSPAR Scientific Assembly. Held 18-15 July 2010, in Bremen, Germany, p.15

Mochnacki, S.W. "Application of the GDDSYN Method in the Era of KEPLER, CoRoT, MOST and BRITe", at "Interacting Binaries to Exoplanets: Essential Modeling Tools", *IAU Symposium No. 282*, Tatranska Lomnica, Slovakia, July 18 - 22, 2011, invited oral review.

S. Mochnacki & W. Bode (co-supervised M.Sc. Student), CASCA Meeting, Halifax, 25-28 May 2010. "Testing of the BRITe Instrument", Poster presentation.

Mochnacki, S.W. "Pre-Launch Testing of the BRITe Nanosat Telescope", 15 April 2010, Canadian Space Agency Workshop on Suborbital Platforms and Nanosatellites, Montreal 14-16 April 2010, oral presentation, invited (20 min)

Mochnecki, S.W. The BRITE Instrument. Poster presented at CASCA Meeting, Toronto, May 2009

Mochnecki, S.W. Progress Reports on BRITE Instrument. Reports presented at BRITE Team meetings and workshops every six months, Dec. 2005 - Dec. 2014

Mochnecki, S.W. The Contact Condition in W UMa Stars, Canadian Astronomical Society Meeting, Winnipeg, Man., June 2004.

Mochnecki, S.W. and Castel, M. Automated Telescopes at the University of Toronto, Canadian Astronomical Society Meeting, Waterloo, ON, May 2003.

Mochnecki, S.W. and Castel, M. Automated Telescopes at the University of Toronto, American Astronomical Society 202nd meeting, Nashville, TN, May 2003.

Mochnecki, S.W. Computing for Amateur and Professional Astronomers, Amateur - Professional Partnerships in Astronomy, ASP Conference Proceedings, Vol. **220**. Edited by John R. Percy and Joseph B. Wilson. San Francisco: Astronomical Society of the Pacific,, 2000., p.214

(and 17 other listings 1970-2000)

Invited Lectures

“Detectors for Space-Based Observations”, Space Research Center - Polish Academy of Sciences, 16 April 2015 (60 min)

“Contact Binary Stars: 45 Years after Lucy”, Warsaw University Observatory (Warsaw), 28 May 2013 (60 min)

“Contact Binary Stars: 45 Years after Lucy”, Nicolaus Copernicus Astronomical Center – Polish Academy of Sciences (Warsaw), 6 March 2013, (60 min)

“BRITE Progress”, Univ. of Toronto Dept of Astronomy and Astrophysics, G2000 talk, 3 Feb. 2010, (20 min).

“BRITE Constellation: Space Astronomy with very small satellites and budgets”, Copernicus Astronomical Centre, Warsaw, Poland, 16 Feb. 2009

“Forty Years after Lucy: Understanding Contact Binaries”, Institute for Astronomy, University of Vienna, Vienna, 9 June 2008.

Some Insights into Contact Binaries, Mt. Suhora Observatory, Krakow, December 2003

Some Insights into Contact Binaries, Copernicus Astronomical Center, Warsaw, December 2003

(and 17 other listings 1978 - 2003)

Undergraduate Teaching **(University of Toronto)**

AST 322H	Stars and Stellar Systems	1981-84
AST 3215	Solar System Astrophysics	1987-89,90-91
AST 120Y	Survey of Astronomy & Astrophysics	1981/82,83/84
AST 423S	Observational Astrophysics II	1984-95
AST 221F	Solar System & Stellar Astron.	93/94, 94/95, 9/98, 98/99, 02/03
AST 222S	Galactic and Extragalactic Astronomy	95/96,99/00
AST 222S	Galaxies & Cosmology	06/07, 11/12, 13/14
AST 325H	Practical Astronomy	1995-2006
AST 326Y	Practical Astronomy	2004-2006
AST 101H1F	The Sun and its Neighbours	08/09,09/10,10/11
AST 210H1F	Great Moments in Astronomy	06/07,08/09,09/10,11/12 13/14, 14/15
AST 201H1S	Stars and Galaxies	08/09,09/10,10/11
SCI 199H1S	Astronomy at the Frontier	2010/11, 2011/12
SCI 199H1S	Astronomy at the Frontier	2012/13, 2013/14

Graduate Courses

AST 1040E	Introductory Instrumentation	1982-1991
AST 1440S	Advanced Instrumentation	1982/83,84/85
AST 1020H	Observational Astrophysics II	85/86,87/88,89/90,90/91
AST 1580H	Observational Techniques	1991/92, 1992/93, 93/94, 94/'95, 95/96,96/97,97/98,98/99
AST 1630H	Binary Stars	92/93
AST 1620H	Instrumentation	95/96,96/97
AST 2050H	Observational Techniques	00/01, 02/03, 04/05
AST 1410H	Stars	05/06

Theses Supervised

Masters:

Bernard Bois	Analysis of Observations of V471 Tauri, 1982-1984.
Michael Rensing	The Mass of AW Ursae Majoris, 1982-1984.
David Holdsworth	A Study of Optical Fibres for Astronomical Instrumentation, 1984-86
Paul Hendry	Maximum Entropy Imaging of Starspots on W Uma systems using BVRI photometry. A Test of the Method and Application to VW Cephei. 1989-91.

Ph.D:

Paul Hendry	Photospheric and Chromospheric Imaging of W Uma Systems. 1991-1997
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4th Year Undergraduate Research Projects:

M. Wong	Photometry of Contact Binary Stars in NGC 188, 1987/88
A. Colvin	HI Emission Line from BM Cas, 1988/89
M. Ford	Observations of MD99946, 1988/89
P. Hendry	Kron-Cousins BVRI Light Curves of VW Cep, 1988/89
S. Chan	Long Term Variability in the close binary V471 Tauri, 1989/90
M. Vysosky 1995/96	Spectroscopy of the Supergiant Eclipsing Binary BM Cas,
K. Casteels	Robotic Telescope Scripting, 2002/03
K Petursson	Rapidly Rotating M Dwarfs 2013/14

2nd Year Undergraduate Research Projects:

S. Chang	High-Speed Spectroscopy of V471 Tau, 1996/97
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Media Appearances:

Star of Bethlehem (interview, in Polish, on Rogers OMNI 1, Toronto), Dec. 2009
BRITE (interview, in Polish, on Rogers OMNI 1), April 2009 and May 2009
Hubble Telescope SM4 cancellation. Interviewed on Space Channel, Jan. 2004
(5 other appearances listed)

Astronomical Referee

Functions:

Referee, papers submitted to the *Astronomical Journal*, 1978-
Referee, papers submitted to the *Astrophysical Journal*, 1982-
Referee, papers submitted to the *Monthly Notices of the Royal Astronomical Society*, 1985-
Referee, National Science Foundation research proposal, May 1981;
August 1985, Sept. 1987.
Referee, papers submitted to *Astronomy and Astrophysics*, 1982-
Referee, Canada-France-Hawaii Telescope Observing Proposals, 1982-
Member, STARLAB Joint Scientific Working Group, 1982-84.
Member, STARLAB Detector Sub-Committee, 1983-84.
Referee, papers submitted to *Publications of the Astronomical Society of the Pacific*, 1984-
Member, NASA Peer Review Panel (FUSE Obs Applications) Dec. 2002