

## Curriculum Vitae

### Michael Fauerbach

Florida Gulf Coast University  
College of Arts and Sciences  
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#### Education:

Ph.D. in experimental nuclear astrophysics, National Superconducting Cyclotron Laboratory and Michigan State University, East Lansing, Michigan, March 1997.

Thesis: **Study of Light Neutron Rich Nuclei**

Advisors: Professor Walter Benenson, and Professor David J. Morrissey (2011 Seaborg Award recipient)

Diplom-Physiker (*equivalent to Master of Science*) in experimental nuclear physics, Technical University Darmstadt, September 1992.

Thesis: **Untersuchungen zur Projektilfragmentation relativistischer Schwerionen anhand eines Kaskadenmodelles**

(*Study of projectile fragmentation of relativistic heavy ions with a cascade model*)

Advisor: Professor Hans-Georg Clerc

#### Professional Appointments:

|                |                                                                                           |
|----------------|-------------------------------------------------------------------------------------------|
| 2010 – Present | Professor, Physics & Astronomy, Florida Gulf Coast University                             |
| 2000 – 2017    | Lead Scientist, Evelyn L. Egan Observatory (MPC Code H72)                                 |
| 2005 – 2010    | Associate Professor, Physics & Astronomy, Florida Gulf Coast University                   |
| 2005 – 2010    | Program Leader, Physics & Astronomy -General Education, Florida Gulf Coast University     |
| 2005 – 2006    | Chair, Department of Physical Sciences and Mathematics                                    |
| 2000 – 2005    | Assistant Professor, Physics & Astronomy, Florida Gulf Coast University                   |
| 1999 – 2000    | Physics Faculty, Mississippi School for Mathematics and Science                           |
| Summer 1998    | Physics Instructor, Florida State University                                              |
| 1997 – 1999    | Research Associate, Superconducting Linear Accelerator Facility, Florida State University |

**Leadership Experience:**

- **Chair, Department of Physical Sciences and Mathematics,**  
Florida Gulf Coast University, August 2005 – August 2006
- **Program Leader for General Education Physics & Astronomy**  
Florida Gulf Coast University, August 2005 – August 2010
- **College Governance Team** College of Arts & Sciences  
Chair, August 2007 – August 2008  
Department Representative, August 2006 – August 2008
- **Chair-line Forum on Education, American Physical Society**  
2012 – 2016  
Elected by the ~5,000 members of the Forum on Education.
- **Chair of K-12 subcommittee, Committee on Education, American Physical Society**  
2013 – 2016  
Appointed position by the APS leadership.
- **Organizing Committee for Diversity and Inclusion, American Physical Society**  
2016 – 2019  
Appointed position by the APS leadership.
- **Inaugural Secretary/Treasurer, Forum on Diversity and Inclusion, American Physical Society**  
2019 – 2021
- **Equity, Diversity and Inclusion Fellow, American Physical Society**  
2022-2023

### **Teaching:**

When I came to FGCU in August 2000, I was the only faculty member teaching physics and astronomy. As such, I was deeply involved in the curriculum development and revisions for the existing physics & astronomy classes, as well as in the development of additional course offerings. Over the years, I have taught a wide spectrum of undergraduate physics and astronomy classes. I have also made it a point to teach classes outside this field, such as 'Issues in Science and Technology', and 'Foundations of Civic Engagement' on a regular basis. All my online course are High Quality certified via QM.

### **Service:**

Listing of some of the more pertinent committees I have chaired or served on:

#### **University Committees:**

- Faculty Senate (2000 – 2005, 2009 – 2013, 2015-2020).
- Faculty Senate Alternate (2024-26).
- Technology Team (2001 – 2005).
- ADA Advisory Committee (2005 – 2021).

#### **College Committees:**

- Wide variety of search committees both in CAS and College of Engineering.
- CAS Undergraduate Curriculum Team (2000-2002).
- Whitaker Center for STEM Education, Leadership Team (2004-2005).
- AB7 Building planning committee (2007 – 2009).
- Faculty Mentor for Eagle Space Society (2004 - 2007).

#### **Community:**

- Numerous talks to the community on a wide range of physics and astronomy topics. Many were as part of FGCU's Renaissance Academy, others were via invitation from community groups.
- Countless outreach programs at local schools utilizing FGCU telescopes.

#### **Profession:**

- Advisory Board Member, Florida Space Grant Consortium (2001-present)
- Review grant and Fellowship applications for the Florida Space Grant Consortium (2009-present)
- Fellowship Committee, Forum on Education, American Physical Society (2020)
- Chair-line, American Physical Society: Forum on Education (2012-2016). Elected position.
- Member, American Physical Society, Committee on Education (2013-2016). Appointed position
- Member, American Physical Society, Organizing Committee for Forum on Diversity and Inclusion (2016-2019).

- Vice-Chair, American Physical Society, Prize Committee (Prize for a Faculty Member for Research in an Undergraduate Institution), 2017
- Inaugural Secretary-Treasurer of the Forum on Diversity and Inclusion (2020-2021)
- Member, Organizing Committee for National Astronomy Teaching Summit (2016-2017)

### **Honors and Awards:**

- Junior Faculty Teaching Excellence Award, FGCU (2005).
- Selected by the Florida Department of Education as a Framer for Next Generation Sunshine State Science Standards (2007).
- 'Science Expert' for Florida Department of Education in a wide variety of ways. Served as grant reviewer for Math and Science Partnership grant proposals, actively participated in course description review, Teacher Certification and FCAT 2.0 –now called Statewide Science Assessment- science review, just to name a few (2007 - Present).
- Solar System Ambassador, Program run by the Jet Propulsion Laboratory (JPL) for NASA (2001 - 2020).
- Equity, Diversity and Inclusion Fellow, American Physical Society. One of six selected Fellows out of a membership of over 50,000 (2022-2023)

### **Professional Associations:**

- American Physical Society, Division of Nuclear Physics, also a member of the Topical Group on Physics Education Research, Forum on Education, Forum on Diversity and Inclusion, Forum on Physics and Society, and the Forum on Outreach and Engaging the Public.

### **Grants:**

The following list contains only funded proposals. Submitted grant proposals that did not receive funding as well as proposals where I played a major role in the grant, but was not listed as a PI –for example the highly successful Project LAUNCH (funded for ~\$3.5Mio), for which I was the lead content developer for three years- are not included.

- “Asteroid Recovery, CHaracterization, ANd Guardian of Earth Life (ARCHANGEL)
- M.P. Lucas (PI), M. Fauerbach (Co-I), \$49,999, Florida Space Institute.
- “NASA Florida Space Grant Consortium Student Summer Scholarship,” \$6,000 to support Austin Brown, May-August 2017.
- “Florida Space Grant Consortium Undergraduate Research Award,” \$2,000 to support Salvatore Grasso, October 2010.
- “Enhancing the Imaging Capabilities of the Egan Observatory,” funded for \$4,288 by Florida Gulf Coast University, Internal Grant Program, April 2010.
- “Florida Space Grant Consortium Undergraduate Research Award,” \$4,000 to support Salvatore Grasso and Jacob Wilson, October 2009.

- “NASA Undergraduate Summer Research Opportunity,” \$1,500 to support Scott Marks, May 2006.
- “Bringing Space into Math and Science Classrooms,” funded for \$8,839 by the Florida Space Research and Education Grant Program, August 2005.
- “NASA Undergraduate Summer Research Opportunity,” \$1,500 to support Thomas Bennett, May 2005.
- “NASA Undergraduate Summer Research Opportunity,” \$1,500 to support Thomas Bennett, May 2004.
- “The ACUMEN project,” funded for \$14,305 by the Florida Space Research and Education Grant Program, May 2002.
- “LISAA –Low Inclination Search for Approaching Asteroids,” funded for \$4,915 by Florida Gulf Coast University, Internal Grant Program, April 2002.
- “Undergraduate Student Education in Real-Time Satellite Tracking for Ground Control Station,” funded for \$19,305 by the Florida Space Research and Education Grant Program, May 2002, Co-PI with Dr. Zalewski (FGCU, Software Engineering Faculty)

### **References:**

Provided upon request

### **Presentations:**

### **Invited Talks:**

- “My Life in Astrophysics: Stories of Discovery, and Wonder,” Southwest Florida Astronomical Society, December 2025
- “The Study of Fragments: From Exotic Nuclei to Exotic Asteroids,” Nuclear Seminar, National Superconducting Cyclotron Laboratory, Michigan State University, April 2014
- “Ground based studies of asteroids.” Physics & Astronomy Colloquium, Texas A&M Commerce, October 2013
- “All you need is –Curiosity,” Student and Teacher Recognition Banquet, Scientists' Society of Southwest Florida, April 2013
- “Studying Fragments: From Exotic Nuclei to Exotic Asteroids,” 241<sup>st</sup> National Meeting of the American Chemical Society, Glenn T. Seaborg Symposium, Anaheim, CA, March 2011
- “Controversial Issues Outside Evolution,” Controversial Issues in the Science Classroom Workshop, University of South Florida, July 2009
- “Near Earth Asteroids,” Florida State University, April 2004
- “Why should we study exotic nuclei?,” Florida Gulf Coast University, May 2000
- “Microscopic model calculations of fragmentation reactions,” Argonne National Lab, September 1994
- “Production of exotic nuclei: the intranuclear cascade model and the ISAspace code,” INFN LNS Catania, Italy, November 1993

**Others :**

1. "A Closer Look at the Big Bang," Scientists' Society of Southwest Florida, November 2011
2. "Astronomical Imaging at the Egan Observatory," Southwest Florida Astronomical Society, January 2011
3. "Shape Modeling of Asteroids --A Worthwhile Endeavor for Smaller Observatories," 76<sup>th</sup> Annual Meeting of the Southeastern Section of the American Physical Society, November 2009
4. "Recent Results from Mars," Scientists' Society of Southwest Florida, November 2009
5. "STS-118 Launch Experience," Southwest Florida Astronomical Society, January 2008
6. "Risks and Opportunities from Space," Naples' Men Discussion Group, January 2008
7. "Astrobiology: In Search of Life in the Universe," 2<sup>nd</sup> Annual Interdisciplinary Research Conference at FGCU, April 2007
8. "Collaborating Across Colleges to Develop K-12 Programs," 2005 Annual Convention, School Science and Mathematics Association, together with Diane L. Schmidt (FGCU, College of Education), November 2005
9. "ACUMEN: Astronomy Classes Unleashed --Meaningful Experiences for Neophytes," 128<sup>th</sup> National Meeting of the American Association of Physics Teachers, January 2004
10. "The NASA/JPL Solar System Ambassador Program," South-Eastern Section of the American Physical Society, November 2001
11. "Genesis --Search for the Origins," South-West Florida Astronomical Society, September 2001
12. "Near Earth Asteroids --A Rendezvous with EROS," South-West Florida Astronomical Society, March 2001
13. "Nuclear Astrophysics --How it effects your everyday life," South-West Florida Astronomical Society, November 2000
14. "Two sides of a coin:  $\gamma$ -ray spectroscopy at FSU and MSU/NSCL," Nuclear Seminar, Florida State University, September 1998
15. "Some recent results on  $^{143}\text{Nd}$  and  $^{38}\text{Ca}$ ," FRS Seminar, GSI Darmstadt, August 1998
16. "How do we produce exotic nuclei? A simple microscopic approach," Nuclear Seminar, Florida State University, February 1998
17. "Study of light neutron rich nuclei," Nuclear Seminar, Florida State University, April 1997
18. "Coulomb excitation of the one neutron halo nucleus  $^{11}\text{Be}$ ," Fall Meeting of the American Physical Society, Division of Nuclear Physics, October 1996
19. "A new search for  $^{26}\text{O}$ ," Fall Meeting of the American Physical Society, Division of Nuclear Physics, October 1995
20. "INC calculations of fragmentation reactions," Spring Meeting of the Deutsche Physikalische Gesellschaft, April 1992
21. Multitude of presentations dealing with a broad range of topics from space exploration to quantum physics for FGCU's Renaissance Academy. A detailed list can be provided upon request.

**Poster :**

1. "M42 –The Great Orion Nebula," print exhibited in the "Community of Artists: A Group Exhibition," May 30 - June 24, 2011, FGCU Main Art Gallery
2. "Using Integrated Technology to Improve Classroom Participation and Student Learning across STEM disciplines," ENGAGED STEM LEARNING: From Promising to Pervasive Practices, AAC&U/PKAL Meeting, Miami, FL, March 2011
3. "Shape Models of Minor Planets 242 Kriemhild and 287 Nephthys," 40<sup>th</sup> Lunar and Planetary Science Conference, Houston, March 2009
4. "Shape Modeling of Small Solar System Bodies," 39<sup>th</sup> annual Meeting of the Division of Planetary Sciences, American Astronomical Society, Orlando, October 2007
5. "Understanding Astrobiology through Realistic Laboratory Experiences," 38<sup>th</sup> Lunar and Planetary Science Conference, Houston, March 2007
6. "Multimodal Sky Orientation for ASTRO 101," 118<sup>th</sup> Annual Meeting of the Astronomical Society of the Pacific, Engaging the EPO Community, Baltimore, September 2006
7. "Realistic Laboratory Experiences in Astrobiology," 118<sup>th</sup> Annual Meeting of the Astronomical Society of the Pacific, Engaging the EPO Community, Baltimore, September 2006
8. "Introductory Space Science –An Inquiry Based Approach," 37<sup>th</sup> Lunar and Planetary Science Conference, Houston, March 2006
9. "Bringing Space into Math and Science Classrooms," 117<sup>th</sup> Annual Meeting of the Astronomical Society of the Pacific, Building Community: The Emerging E/PO Profession, Tucson, September 2005
10. "Project LAUNCH –bringing Space into the Math and Science Classrooms," E/PO Program Demonstration, 36<sup>th</sup> Lunar and Planetary Science Conference, Houston, March 2005
11. "Photometric Lightcurve Measurements of Asteroids," 36<sup>th</sup> Lunar and Planetary Science Conference, Houston, March 2005
12. "The ACUMEN Project," Cosmos in the Classroom 2004, Boston, July 2004
13. "ACUMEN: Astronomy Classes Unleashed –Meaningful Experiences for Neophytes," 35<sup>th</sup> Lunar and Planetary Science Conference, Houston, March 2004
14. "Enhancing Undergraduate Astronomy Laboratory Experiences with Inexpensive Consumer-Grade Technologies," 128<sup>th</sup> National Meeting of the American Association of Physics Teachers, Miami Beach, January 2004
15. "Using Technology to Enhance Student Learning in Undergraduate Science Teaching and Research at Florida Gulf Coast University," AAC&U Conference on Technology, Learning and Intellectual Development, Boston, October 2003
16. "LISAA: Low Inclination Search for Approaching Asteroids," 2<sup>nd</sup> Annual Research Day, FGCU, April 2003
17. "Increasing Public Outreach in Astronomy through Digital Imaging Technology," 34<sup>th</sup> Lunar and Planetary Science Conference, Houston, March 2003
18. "Increasing Public Outreach in Astronomy through Digital Imaging Technology," 1<sup>st</sup> Annual Research Day, FGCU April 2002
19. "Mass dependence of the effective charges in the *sd*-shell," 2<sup>nd</sup> International Conference on Exotic Nuclei and Atomic Masses, Shanty Creek, Michigan, June 1998

**Publications in Peer-Reviewed Scientific Journals:**

*Undergraduate student co-author's names are underlined*

*I publish mainly in The Minor Planet Bulletin a quarterly peer-reviewed open-access scientific journal. Its focus is on theoretical, observational, and historical information regarding the study of minor planets. It has been published by the Minor Planets section of the Association of Lunar and Planetary Observers since 1973. The editor-in-chief is Dr. Richard P. Binzel, MIT.*

**First Author:**

“Lightcurve and rotation period for 6422 Akagi and 7723 Luggar,” M. Fauerbach, M.P. Lucas. The Minor Planet Bulletin, submitted to The Minor Planet Bulletin

“Lightcurve and rotation period for 3507 Vilas and 4185 Phystech,” M. Fauerbach. The Minor Planet Bulletin, Issue 52-4, 2025

“Photometry and lightcurve analysis of Vesta family asteroid (14645) 1998 XR9”, **M. Fauerbach**. *The Minor Planet Bulletin, Issue 50-4, 2023*

“Lightcurve, rotation period and spin-shape model for 2764 Moeller,” **M. Fauerbach**, V. Benishek, B.D. Warner. *The Minor Planet Bulletin, Issue 50-1, 2023*

“Photometry and Lightcurve Analysis of 1774 Kulikov, 7145 Linzexu, 11099 Sonodamasaki and (16024) 1999 CT101,” **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin, Issue 49-2, 2022*

“Rotational Period and Lightcurve Determination of 755 Quintilla, 2699 Kalinin, 3523 Arina, 5182 Bray, 5401 Minamioda, 5405 Neverland, (7288) 1991 FE1, and 18418 Ujibe,” **M. Fauerbach**. *The Minor Planet Bulletin, Issue 48-4, 2021*

“Photometric Observations of 755 Quintilla and 1132 Hollandia,” **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin, Issue 48-4, 2021*

“Lightcurve Analysis of Asteroids 1939 Loretta, 2099 Opik, 2699 Kalinin, 2779 Mary, 3108 Lyubov, 5182 Bray, and 9098 Toshihiko,” **M. Fauerbach**. *The Minor Planet Bulletin, Issue 48-3, 2021*

“Lightcurve Analysis of Asteroids 131 Vala, 1184 Gaea, 7145 Linzexu, and 26355 Grueber,” **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin, Issue 47-4, 2020*

“Rotational period determination for asteroids 755 Quintilla, 1830 Pogson, 5076 Lebedev-Kumach, and (29153) 1988 SY2,” **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin, Issue 47-4, 2020*

“Photometric Observations for 7 Main-belt Asteroids: 2019 February – May,” **M. Fauerbach**. *The Minor Planet Bulletin, Issue 46-4, 2019*

“Lightcurve Analysis of Asteroids 131 Vala, 1184 Gaea, 7145 Linzexu, and 26355 Grueber,” **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin, Issue 46-3, 2019*

“Rotational period determination for asteroids 755 Quintilla, 1830 Pogson, 5076 Lebedev-Kumach, and (29153) 1988 SY2,” M. Fauerbach, M. Fauerbach. *The Minor Planet Bulletin, Issue 46-2, 2019*

- “Photometric Observations of Asteroids 570 Kythera, 1334 Lundmarka, 2699 Kalinin, and 5182 Bray,” **M. Fauerbach**, F. Zabala. *The Minor Planet Bulletin*, Issue 46-1, 2019
- “Photometric Observations for 8 Main-belt Asteroids: 2017 April - May,” **M. Fauerbach**. *The Minor Planet Bulletin*, Issue 46-1, 2019
- “Rotational Period Determination for Asteroids 2498 Tsesevich, (16024) 1999 CT101, (46304) 2001 OZ62,” **M. Fauerbach**, A. Brown. *The Minor Planet Bulletin*, Issue 46-1, 2019
- “Photometric Observations of 1007 Pawlowia, 1774 Kulikov, 2764 Moeller, 5110 Belgirate, (8505) 1990 YK, and (34459) 2000 SC91,” **M. Fauerbach**, K.M. Nelson. *The Minor Planet Bulletin*, Issue 46-1, 2019
- “Lightcurve Analysis of Minor Planets 1132 Hollandia, 1184 Gaea 1322 Copernicius, 1551 Argelander, and 3230 Vampilov,” **M. Fauerbach**, A. Brown. *The Minor Planet Bulletin*, Issue 45-3, 2018
- “Lightcurve Analysis of 566 Stereoskopia and 823 Sisigambis,” **M. Fauerbach**, S.A. Marks, *The Minor Planet Bulletin*, Issue 36-3, 2009.
- “Lightcurve analysis of ten main-belt asteroids,” **M. Fauerbach**, S.A. Marks, M.P. Lucas, accepted for publication in *The Minor Planet Bulletin*, Issue 35-2, 2008.
- “Lightcurve results for 81 Terpsichore, 242 Kriemhild, 503 Evelyn, 522 Helga, and 578 Happelia,” **M. Fauerbach**, T. Bennett, S.A. Marks, *The Minor Planet Bulletin*, Issue 34-3, 2007
- “Lightcurve Analysis of 1304 Arosa,” **M. Fauerbach**, T. Bennett, R. Behrend, L. Bernasconi, S. Casulli, *The Minor Planet Bulletin*, Issue 33-4, 2006
- “Photometric lightcurve observations of 125 Liberatrix, 218 Bianca, 423 Diotima, 702 Alauda, 1963 Bezovec, and (5849) 1990 HF1,” **M. Fauerbach**, T. Bennett, *The Minor Planet Bulletin*, Issue 32-4, 2005
- “First photometric lightcurve observations from the Evelyn L. Egan Observatory,” **M. Fauerbach**, T. Bennett, *The Minor Planet Bulletin*, Issue 32-2, 2005
- “The ACUMEN Project,” **M. Fauerbach**, S. Schonberg, M.J. Mon, in: *Cosmos in the Classroom 2004*, edited by Andrew Fraknoi and William Waller
- “Astrometric observations of Near Earth Asteroids and Comets” published monthly in the Minor Planet Circular, ISSN 0736-6884, starting with the February 2003 issue.
- “Weak coupling and single-particle structure at high spin in  $^{143}\text{Nd}$ ,” **M. Fauerbach**, L.A. Riley, P.D. Cottle, R.A. Kaye, and K.W. Kemper, *Phys. Rev.* **C58**, 826 (1998)
- “Coulomb excitation of the one-neutron halo nucleus  $^{11}\text{Be}$ ,” **M. Fauerbach**, M.J. Chromik, T. Glasmacher, P.G. Hansen, R.W. Ibbotson, D.J. Morrissey, H. Scheit, P. Thierolf, and M. Thoennessen, *Phys. Rev.* **C56**, R1 (1997)

“New search for  $^{26}\text{O}$ ,” **M. Fauerbach**, D.J. Morrissey, M. Hellström, W. Benenson, R.A. Kryger, J.H. Kelley, R. Pfaff, C.F. Powell, B.M. Sherrill, *Phys. Rev. C* **53**, 647 (1996)

### **Complete Listing:**

*A Google Scholars search shows that the following papers have been cited 5001 (659) times with an h-index of 29 (11) and an i10 index of 42 (12). Numbers in brackets show the results for only the last five years.*

### **2026**

1. “Lightcurve and rotation period for 6422 Akagi and 7723 Luggar,” **M. Fauerbach**, M.P.Lucas. Submitted to *The Minor Planet Bulletin*

### **2025**

2. “Lightcurve and rotation period for 3507 Vilas and 4185 Phystech,” **M. Fauerbach**. *The Minor Planet Bulletin*, Issue 52-4
3. “Follow-Up Observations of 617 Patroclus-Menoetius Mutual Events: 2024 November to 2025 January,” B.D. Warner, R. Durkee, **M. Fauerbach**, J. Gebauer, W. Cloutier, A. Nastasi, J. Oey, N Sioulas, R.D. Stephens, D.G. Tedesco, C.H. de Oliveira Barreto. *The Minor Planet Bulletin*, Issue 52-2
4. “CCD Photometric Observations of 617 Patroclus-Menoetius Mutual Events,” B.D. Warner, R. Durkee, **M. Fauerbach**, J. Gebauer, W. Cloutier, A. Nastasi, J. Oey, R.D. Stephens, D.G. Tedesco, C.H. de Oliveira Barreto. *The Minor Planet Bulletin*, Issue 52-

### **2024**

5. “AstroAccess: Testing accessibility accommodations for disabled and mixed-ability crews operating in space-like environments,” J. L. Molaro, A. Kapusta, S. Wells-Jensen , A. Voelker, S. Bahram, T. Bailey, D. Bolles, M. K. Cooper, C. Fair, **M. Fauerbach**, L. Gethard, S. E. Gifford, J. Greenhalgh, E. Ingram, S. Jha, R. Kushalnagar, A.J. Link, A. A. Mardon, G. Mathur, M. Minkara, V. Modesta, C. A.L. O'Brien, Z. Onwuta, S. Rosenstein, E. Shear, S. Varia, A. Varia, E. S. Viirre, G. Whitesides, B. R. Williamson, H. R. Zucker. *Acta Astronautica*, Volume 217

### **2023**

6. “Photometry and lightcurve analysis of Vesta family asteroid (14645) 1998 XR9,” **M. Fauerbach**. *The Minor Planet Bulletin*, Issue 50-4
7. “Lightcurve, rotation period and spin-shape model for 2764 Moeller,” **M. Fauerbach**, V. Benishek, B.D. Warner. *The Minor Planet Bulletin*, Issue 50-1

## 2022

8. "Photometry and Lightcurve Analysis of 1774 Kulikov, 7145 Linzexu, 11099 Sonodamasaki and (16024) 1999 CT101," **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin*, Issue 49-2

## 2021

9. "Photometric Observations of 755 Quintilla and 1132 Hollandia," **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin*, Issue 48-4
10. "Rotational Period and Lightcurve Determination of 755 Quintilla, 2699 Kalinin, 3523 Arina, 5182 Bray, 5401 Minamioda, 5405 Neverland, (7288) 1991 FE1, and 18418 Ujibe," **M. Fauerbach**. *The Minor Planet Bulletin*, Issue 48-4
11. "Lightcurve Analysis of Asteroids 1939 Loretta, 2099 Opik, 2699 Kalinin, 2779 Mary, 3108 Lyubov, 5182 Bray, and 9098 Toshihiko," **M. Fauerbach**. *The Minor Planet Bulletin*, Issue 48-3

## 2020

12. "Preliminary Spin-Shape Model for 755 Quintilla," Franco, L., Buchheim, R. K., Pray, D., **Fauerbach, M.**, Mortari, F., Casalnuovo, G. B., Chinaglia, B., Scarfi, G., Papini, R., Salvaggio, F. *The Minor Planet Bulletin*, Issue 47-4
13. "Measured Lightcurves and Rotational Periods of 1132 Hollandia and 1184 Gaea," **M. Fauerbach**. *The Minor Planet Bulletin*, Issue 47-4
14. "Photometric Observations of 2096 Vaino and 5104 Skripnichenko," **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin*, Issue 47-1

## 2019

15. "Photometric Observations for 7 Main-belt Asteroids: 2019 February – May," **M. Fauerbach**. *The Minor Planet Bulletin*, Issue 46-4
16. "Lightcurve Analysis of Asteroids 131 Vala, 1184 Gaea, 7145 Linzexu, and 26355 Grueber," **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin*, Issue 46-3
17. "Rotational period determination for asteroids 755 Quintilla, 1830 Pogson, 5076 Lebedev-Kumach, and (29153) 1988 SY2," **M. Fauerbach**, M. Fauerbach. *The Minor Planet Bulletin*, Issue 46-2
18. "Photometric Observations of Asteroids 570 Kythera, 1334 Lundmarka, 2699 Kalinin, and 5182 Bray," **M. Fauerbach**, F. Zabala. *The Minor Planet Bulletin*, Issue 46-1
19. "Photometric Observations for 8 Main-belt Asteroids: 2017 April - May," **M. Fauerbach**. *The Minor Planet Bulletin*, Issue 46-1
20. "Rotational Period Determination for Asteroids 2498 Tsessevich, (16024) 1999 CT101, (46304) 2001 OZ62," **M. Fauerbach**, A. Brown. *The Minor Planet Bulletin*, Issue 46-1

21. "Photometric Observations of 1007 Pawlowia, 1774 Kulikov, 2764 Moeller, 5110 Belgirate, (8505) 1990 YK, and (34459) 2000 SC91," **M. Fauerbach**, K.M. Nelson. *The Minor Planet Bulletin*, Issue 46-1

**2018**

22. "Lightcurve Analysis of Minor Planets 1132 Hollandia, 1184 Gaea 1322 Copernicius, 1551 Argelander, and 3230 Vampilov," **M. Fauerbach**, A. Brown. *The Minor Planet Bulletin*, Issue 45-3

**2016**

23. "New and updated convex shape models of asteroids based on optical data from a large collaboration network," J. Hanus, J. Durech, D.A. Oszkiewicz, R. Behrend, M. Delbo, **M. Fauerbach**, et al. *Astronomy and Astrophysics*, 586, A108

**2012**

24. "A Shape Model of the Taxonomic A-Class Asteroid 446 Aeternitas," M.P. Lucas, J.G.Ryan, **M. Fauerbach**, *The Minor Planet Bulletin*, Issue 39-3

**2011**

25. "Lightcurve Analysis of five Taxonomic A-Class Asteroids," M.P. Lucas, J.G.Ryan, **M. Fauerbach**, S. Grasso, *The Minor Planet Bulletin*, Issue 38-4

**2009**

26. "Lightcurve Analysis of 566 Stereoskopia and 823 Sisigambis," **M. Fauerbach**, S.A. Marks, *The Minor Planet Bulletin*, Issue 36-3
27. "Asteroid models from combined sparse and dense photometric data," J. Ďurech, M. Kaasalainen, B. D. Warner, **M. Fauerbach**, S. A. Marks, S. Fauvaud, M. Fauvaud, J.-M. Vugnon, F. Pilcher, L. Bernasconi, and R. Behrend, *Astronomy and Astrophysics*, Vol. 493 No. 1

**2008**

28. "Lightcurve analysis of 788 Hohensteina," J. Oey, S.A. Marks, **M. Fauerbach**, *The Minor Planet Bulletin*, Issue 35-4.
29. "Shape and Spin Axis Models of four asteroids," B.D. Warner, J. Durech, **M. Fauerbach**, S.A. Marks, *The Minor Planet Bulletin*, Issue 35-4.

30. "A radar survey of X- and M-class asteroids," Shepard, Clark, Nolan, Howell, Magri, Giorgini, Benner, Ostro, Harris, Warner, Pray, Pravec, **Fauerbach**, T. Bennett, Klotz, Behrend, Correia, Coloma, Casulli, Rivkin, *Icarus Volume 195-1*.
31. "Lightcurve analysis of ten main-belt asteroids," **M. Fauerbach**, S.A. Marks, M.P. Lucas, *The Minor Planet Bulletin, Issue 35-2*.

## 2007

32. "Lightcurve results for 81 Terpsichore, 242 Kriemhild, 503 Evelyn, 522 Helga, and 578 Happelia," **M. Fauerbach**, T. Bennett, S.A. Marks, *The Minor Planet Bulletin, Issue 34-3*
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**Publications in Popular Magazines:**

1. "Comet 17P/Holmes," Astronomy Picture of the Day, November 11, 2007
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Astronomy Magazine is the leading popular astronomy magazine, with a circulation of 145,000

Numerous interviews for the local news media –print, radio and television. I wrote a 'What's up in the Sky' column for the Fort Myers News-Press, and later for the magazine of the local NPR affiliate WGCU (Expression Magazine). I wrote several articles for the Expression Magazine that were more or less loosely related to upcoming *NOVA* episodes. The Egan Observatory and the work my students and I perform was featured many times in the local and regional (Florida Weekly) press.

**Unpublished Works:**

“Untersuchungen zur Projektilfragmentation relativistischer Schwerionen anhand eines Kaskadenmodelles,” TH Darmstadt, September 1992

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