DAVID J. BATUSKI
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EDUCATION

1970 B.S. Engineering Sciences, United States Air Force Academy
1971 M.S. Astronautical Engineering, Purdue University
1986 Ph.D. Physics, University of New Mexico
Thesis Title: "Abell Clusters as Tracers of Large-Scale Structure in the Universe"

PROFESSIONAL EXPERIENCE (34 years of service to UMaine)

2001 – Present	Professor
2015 – 2016	Interim Department Chair
2003 – 2014	Department Chair
1994 – 2001	Associate Professor
1988 – 1994	Assistant Professor
1986 – 1988	Research Associate, Space Telescope Science Institute, Baltimore, Maryland
1980 – 1986	Graduate Student and Research/Teaching Assistant University of New Mexico
1970 -- 1979	Lieutenant, then Captain, United States Air Force
1976 – 1979	Project Officer, High Energy Laser Beam-Control Systems, Air Force Weapons Laboratory, Albuquerque, New Mexico,
1971 – 1976	Space Vehicle Engineer and Program Manager Launch Vehicle Program Office, Air Force Space and Missile Systems Organization, El Segundo, California

PROFESSIONAL SOCIETIES

American Astronomical Society, American Association for the Advancement of Science, Astronomical Society of the Pacific, Society of Physics Students and Sigma Pi Sigma

HONORS AND AWARDS

1970	Distinguished Graduate, USAF Academy
1982-1983	University of New Mexico Dept. of Physics & Astronomy Fellowship
1984	University of New Mexico Graduate Scholarship
1985-1986	Sigma Xi award for Outstanding Dissertation in Science at University of New Mexico
1985-1988	Thomas L. Popejoy Prize for Outstanding Dissertation in Sciences/Engineering at University of New Mexico
1998, 1995, 1993, 1991, And 1989	Visiting Astronomer at Meudon Observatory, France
1999	Member of Phi Kappa Phi Honor Society, University of Maine Chapter (Chapter President 2004 - 2006, Chapter Vice President 2002 - 2004)

RECENT PRINCIPAL PUBLICATIONS

"Locating Bound Structure in an Accelerating Universe," 2013, Pearson, D., Batuski, D. J., Monthly Notices of the Royal Astronomical Society Vol. 436, p. 796-806.

"A dynamical analysis of the Corona Borealis Supercluster," 2013, Batiste, M., Batuski, D. J., Monthly Notices of the Royal Astronomical Society Vol. 436, p. 3331-3340.

"The largest gravitationally bound structures: the Corona Borealis supercluster - mass and bound extent," 2014, Pearson, D., Batiste, M., Batuski, D. J., Monthly Notices of the Royal Astronomical Society, Vol. 441, p. 1606-1614.

"A Direct Examination of College Student Misconceptions in Astronomy. I. The New Instrument" 2014, Favia, A., Comins, N., Thorpe, G., Batuski, D. in Journal and Review of Astronomy Education and Outreach, Volume 1.

"Taking on astronomy misconceptions isn't easy," 2016. Favia, A., Comins, N., Batuski, D., in Physics Today, August 2016, p. 74.

RECENT AND CURRENT GRADUATE STUDENT RESEARCH

Alex Koch, Ph.D. Thesis, defended July 2021: "Application of Machine Learning Techniques to Classify and Identify Galaxy Merger Events in the CANDELS Fields"

Logan Hess, M. S. Thesis, defended July 2021: **"**Luminosity Functions of Galaxy Clusters in the Aquarius and Microscopium Superclusters"

Sarah Rice, Ph.D. Thesis project: "Probing Dark Matter Distribution via Weak Lensing in Extremely Overdense Supercluster Environments"

Nikita Saini, Ph.D. Thesis project: **"**Investigation of Planetary Properties in Multiplanetary Systems in Absence/Presence of Jupiter-Sized Planets"

Peter Manzella, Ph.D. Thesis project: "Angular Momentum and Magnetic Field Interactions with Failed Supernovae"

Brenda Jones, Ph.D. Thesis project in development.