

Fronefield Crawford III

Department of Physics and Astronomy
Franklin & Marshall College
P.O. Box 3003, Lancaster, PA 17604, USA

Email: fcrawfor@fandm.edu
Phone: (717) 358-4499
<http://venus.fandm.edu/~fcrawfor>

Education

2000 Ph.D. in Physics, Massachusetts Institute of Technology
1994 B.A. with Honors in Astrophysics, Williams College

Employment and Professional Appointments

2022 - Charles A. Dana Professor of Physics and Astronomy, Franklin & Marshall College
2020 - 2022 Chair, Department of Physics and Astronomy, Franklin & Marshall College
2018 - 2022 Professor of Astronomy, Franklin & Marshall College
2017 - Director of Grundy Observatory, Franklin & Marshall College
2016 - 2019 Faculty Don of Weis College House, Franklin & Marshall College
2011 - 2018 Associate Professor of Astronomy, Franklin & Marshall College
2006 - 2011 Assistant Professor of Astronomy, Franklin & Marshall College
2002 - 2006 Visiting Assistant Professor of Physics, Haverford College
2000 - 2002 Senior Systems Engineer, Lockheed Martin Corporation

Honors and Awards

2024 ICBS Frontiers of Science Award in Theoretical Physics (awarded to NANOGrav consortium)
2009 Most Influential Professor in the Natural Sciences Award, Franklin & Marshall College
1999 Donald C. Stockbarger Fellowship, MIT Physics Department
1994 Astronomy Department Prize, Williams College

Selected Professional Responsibilities and Service

2024 Doctoral Committee External Member, University of Manchester
2023 - Science Advisory Group, Advanced L-band Phased Array Camera for Astronomy (ALPACA)
2023 External Reviewer for Promotion, Trinity University
2021 Chair, Organizing Committee, NANOGrav Consortium Spring Meeting
2020 External Reviewer for Promotion, University of Texas Rio Grande Valley
2018 External Reviewer for Tenure and Promotion, Wheaton College
2018 Doctoral Committee External Member, University of Amsterdam
2018 - 2019 Proposal Reviewer for the German Research Foundation
2018 Reviewer for Fermi Gamma-ray Observatory Proposals
2016 Selection Committee for F&M New York POSSE Class of 2021
2015 Reviewer for Veni Grants Program, Netherlands Organisation for Scientific Research
2012, 2019 Reviewer for NASA Postdoctoral Program
2011 - 2015 Search Committees for F&M Dean of the College (2012) and VP of Enrollment (2011, 2015)
2010 Independent Consultant, Research Innovation Challenge IDEA Program, Raytheon Corporation
2009 Reviewer for Astronomy and Astrophysics Grants Program, National Science Foundation
2008 - Journal Referee for ApJ, MNRAS, PRL, and AJP
2005 - 2013 Reviewer for Physics and Astronomy Textbook Publishers
2003 Reviewer for U.S. Civilian R&D Foundation Cooperative Grants Program
2002, 2005 Reviewer for Chandra X-ray Observatory Proposals
1997 - 1999 MIT Physics Education Committee

Membership

2020 - Projects G5731 and G7563, NATO Science for Peace and Security Programme
2015 - NANOGrav Consortium (Full Member, 2017 -, Chair of Search Working Group, 2017-19)
2013 - 2018 Arecibo Remote Command Center (ARCC) Network (Chair, 2017-18)
2006 - International Astronomical Union
2005 - 2022 Arecibo PALFA Pulsar Survey Consortium (Executive Committee, 2010-22)
1994 Elected to Sigma Xi
1992 - American Astronomical Society