

# Fronefield Crawford III

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## 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

2025                      Bruno Rossi Prize, American Astronomical Society (awarded to NANOGrav consortium)  
2024                      IOP Publishing Top 1% Cited Paper Award (awarded to NANOGrav consortium)  
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

2025 -                      Doctoral Committee External Member, West Virginia University  
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  
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  
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