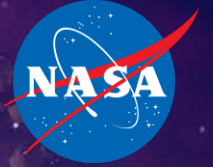


National Aeronautics and
Space Administration



EXPLORE SOLAR SYSTEM & BEYOND

SPECIAL SESSION: Dual-Anonymous Peer Review for NASA Astrophysics Proposals

Paul Hertz | Director, Astrophysics Division, NASA Headquarters

June 2, 2020





Making Peer Review Better

NASA's Science Mission Directorate (SMD) is strongly committed to ensuring that the review of proposals is performed in an equitable and fair manner that reduces the impacts of any unconscious biases.

To this end, and motivated by a successful study conducted for the Hubble Space Telescope, SMD is conducting a pilot program in ROSES-2020 to evaluate proposals using dual-anonymous peer review (DAPR).

Under this system, not only are proposers unaware of the identity of the members on the review panel, but the reviewers do not have explicit knowledge of the identities of the proposing team during the scientific evaluation of the proposal.



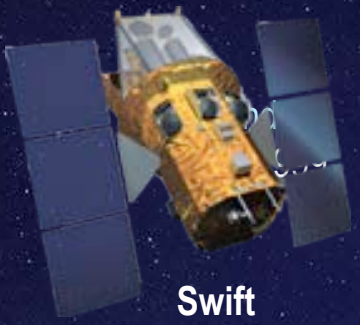
Chandra
Dual-anonymous in 2021
(separately solicited)



NuSTAR
Dual-anonymous in ROSES-19



Webb
Dual-anonymous in 2020
(separately solicited)



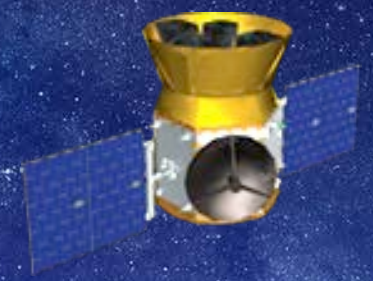
Swift
Dual-anonymous in ROSES-20



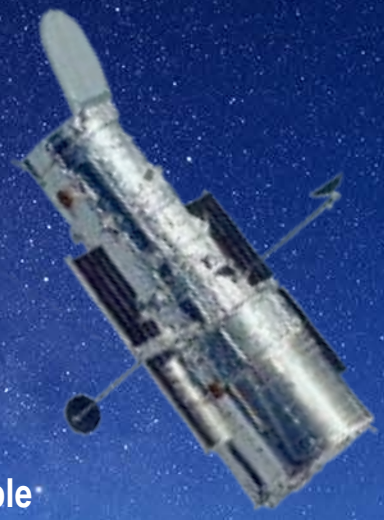
NICER
Dual-anonymous in ROSES-20



Fermi
Dual-anonymous in ROSES-20



TESS
Dual-anonymous in ROSES-20

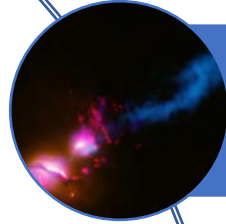


Hubble
Dual-anonymous since 2018
(separately solicited)

Spacecraft not to scale

Astrophysics GO/GI Programs are permanently converting to dual-anonymous peer review

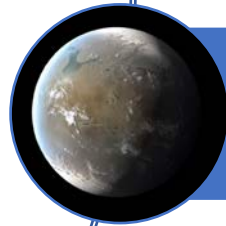
ROSES-20 Pilot



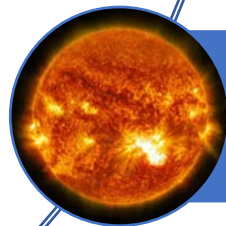
Astrophysics Data Analysis (ADAP)



Earth Science US Principal Investigator



Habitable Worlds (only Step-2 proposals will be anonymized)



Heliophysics Guest Investigator (Step-1 and Step-2 Proposals will be anonymized)

Speakers in this Special Session



Dr. Stefanie Johnson, Leeds School of Business, University of Colorado-Boulder



Dr. Iain Neill Reid, Space Telescope Science Institute



Dr. Jessica Kirk, Fogelman College of Business and Economics, University of Memphis

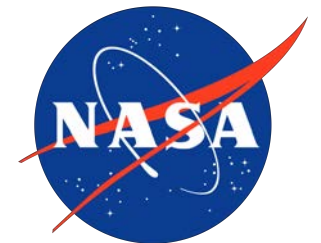


Dr. Dan Evans, Astrophysics Division, NASA Headquarters

Announcement of the 2020 NASA Group Achievement Award

“For outstanding effort in strengthening the review of Hubble Space Telescope observing proposals, sparking a revolution in the evaluation of proposals in space science”, the 2020 NASA Group Achievement Award is made to Hubble Space Telescope Dual-Anonymous Peer Review Team.

Congratulations to: Tom Brown, Peter Garnavich, Stefanie Johnson, Jessica Kirk, Mercedes Lopez-Morales, Andrea Prestwich, Neill Reid, Christina Richey, Ken Sembach, Paule Sonnentrucker, Michael Strauss, Lou Strolger, and Brian Williams.



Agenda

Start	End	Title	Speaker
11:00am	11:05am	Introductory remarks by session chair	Dr. Paul Hertz, Director, NASA Astrophysics
11:05am	11:20am	The ABCs of Breaking Bias in Science	Dr. Stefanie Johnson, Leeds School of Business, University of Colorado-Boulder
11:20am	11:35am	The HST Telescope Allocation Committee: Process & Statistics	Dr. Iain Neill Reid, Space Telescope Science Institute
11:35am	11:50am	Observations and Analysis of Anonymization at Hubble Space Telescope	Dr. Jessica Kirk, Fogelman College of Business and Economics, University of Memphis
11:50am	12:05pm	Implementation of Dual-Anonymous Peer Review at NASA	Dr. Dan Evans, Astrophysics Division, NASA Headquarters
12:05pm	12:30pm	Q&A	Dr. Paul Hertz, Director, NASA Astrophysics (moderator)