

2019 Current Fiscal Year Report: Proposal Review Panel for Astronomical Sciences

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1. Department or Agency	2. Fiscal Year
National Science Foundation	2019
3. Committee or Subcommittee	3b. GSA Committee No.
Proposal Review Panel for Astronomical Sciences	1186

4. Is this New During Fiscal Year?	5. Current Charter	6. Expected Renewal Date	7. Expected Term Date
No	06/29/2018	06/29/2020	

8a. Was Terminated During Fiscal Year?	8b. Specific Termination Authority	8c. Actual Term Date
No		

9. Agency Recommendation for Next Fiscal Year	10a. Legislation Req to Terminate?	10b. Legislation Pending?
Continue	No	Not Applicable

11. Establishment Authority	Agency Authority		
12. Specific Establishment Authority	13. Effective Date	14. Committee Type	14c. Presidential?
ADM IV-100	11/29/1990	Continuing	No

15. Description of Committee Grant Review Committee

16a. Total Number of Reports No Reports for this Fiscal Year

17a. Open 0 **17b. Closed** 52 **17c. Partially Closed** 0 **Other Activities** 0 **17d. Total** 52

Meetings and Dates

Purpose	Start	End
Proposal Review	10/18/2018	- 10/19/2018
Proposal Review	10/25/2018	- 10/26/2018
Proposal Review	10/29/2018	- 10/30/2018
Proposal Review	10/31/2018	- 10/31/2018
Proposal Review	11/01/2018	- 11/02/2018

Proposal Review	11/01/2018	- 11/02/2018
Proposal Review	12/11/2018	- 12/12/2018
Proposal Review	02/04/2019	- 02/05/2019
Proposal Review	02/08/2019	- 02/08/2019
Proposal Review	02/11/2019	- 02/11/2019
Proposal Review	02/11/2019	- 02/13/2019
Proposal Review	02/15/2019	- 02/15/2019
Proposal Review	02/15/2019	- 02/15/2019
Proposal Review	02/21/2019	- 02/22/2019
Proposal Review	02/25/2019	- 02/26/2019
Proposal Review	02/28/2019	- 03/01/2019
Proposal Review	03/04/2019	- 03/05/2019
Proposal Review	03/07/2019	- 03/08/2019
Proposal Review	03/11/2019	- 03/12/2019
Proposal Review	03/11/2019	- 03/12/2019
Proposal Review	03/14/2019	- 03/15/2019
Proposal Review	03/18/2019	- 03/19/2019
Proposal Review	03/21/2019	- 03/22/2019
Proposal Review	03/25/2019	- 03/26/2019
Proposal Review	03/28/2019	- 03/29/2019
Proposal Review	03/28/2019	- 03/29/2019
Proposal Review	04/04/2019	- 04/05/2019
Proposal Review	04/04/2019	- 04/05/2019
Proposal Review	04/08/2019	- 04/09/2019
Proposal Review	04/08/2019	- 04/09/2019
Proposal Review	04/08/2019	- 04/10/2019
Proposal Review	04/11/2019	- 04/12/2019
Proposal Review	04/11/2019	- 04/12/2019
Proposal Review	04/15/2019	- 04/16/2019
Proposal Review	04/17/2019	- 04/18/2019
Proposal Review	04/18/2019	- 04/19/2019
Proposal Review	04/18/2019	- 04/19/2019
Proposal Review	04/22/2019	- 04/23/2019
Proposal Review	04/24/2019	- 04/25/2019
Proposal Review	04/25/2019	- 04/25/2019
Proposal Review	04/29/2019	- 04/30/2019
Proposal Review	05/02/2019	- 05/03/2019
Proposal Review	05/06/2019	- 05/07/2019
Proposal Review	05/09/2019	- 05/10/2019
Proposal Review	05/16/2019	- 05/17/2019
Proposal Review	05/23/2019	- 05/23/2019
Proposal Review	05/23/2019	- 05/24/2019
Proposal Review	05/30/2019	- 05/31/2019
Proposal Review	07/15/2019	- 07/15/2019
Proposal Review	07/30/2019	- 08/01/2019
Proposal Review	08/27/2019	- 08/30/2019
Proposal Review	09/13/2019	- 09/13/2019

Number of Committee Meetings Listed: 52

Current FY Next FY

18a(1). Personnel Pmts to Non-Federal Members	\$234,200.00	\$235,000.00
18a(2). Personnel Pmts to Federal Members	\$50,346.00	\$50,000.00
18a(3). Personnel Pmts to Federal Staff	\$855,153.00	\$860,000.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$102,747.00	\$103,000.00
18b(2). Travel and Per Diem to Federal Members	\$4,780.95	\$5,000.00
18b(3). Travel and Per Diem to Federal Staff	\$13,092.00	\$13,100.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Administrative Costs (FRNs, contractor support, In-person/hybrid/virtual meetings)	\$0.00	\$0.00
18d. Other (all other funds not captured by any other cost category)	\$5,719.00	\$6,000.00
18e. Total Costs	\$1,266,037.95	\$1,272,100.00
19. Federal Staff Support Years (FTE)	4.71	4.71

20a. How does the Committee accomplish its purpose?

Panel deliberations resulted in the review and ranking of proposals in areas of special emphasis

in the Division of Astronomical Sciences. This advice aided AST Program Managers in their funding decisions. Proposals were reviewed in the following programs: Astronomy & Astrophysics Research Grants (AAG), Solar and Planetary Research Grants (SPG); National Radio Astronomy Observatory (NRAO); CAREER, The Astronomy & Astrophysics Postdoctoral Fellowship Program (AAPF), Research Experiences for Undergraduates Program (REU), Major Research Instrumentation (MRI), Particle Astrophysics, Arecibo Observatory (AO), National Optical Astronomy Observatory (NOAO), National Solar Observatory (NSO), and Mid-Scale Innovations Program (MSIP).

20b. How does the Committee balance its membership?

The makeup of the individual panels was well balanced. Represented were women and minorities, and large and small institutions. Consideration was also given to the geographic areas represented. Expertise was available in terms of subject matter and research experience in the subdisciplines.

20c. How frequent and relevant are the Committee Meetings?

Each grant program in the Division of Astronomical Sciences has an annual deadline. This results in panel meetings for each program to review and rank the proposals. Periodic reviews are also held as part of the oversight and management of the national observatories.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

Because of the complex nature of many of these proposals, the give-and-take discussion about

each of the proposals which results from panel meetings is necessary for a thorough review. No other source is available to us that has the required combination of expertise and experience.

20e. Why is it necessary to close and/or partially closed committee meetings?

Proposals reviewed included information of a proprietary or confidential nature, including technical information; financial data, such as salaries; and personal information concerning individuals associated with the proposals.

21. Remarks

N/A

Designated Federal Officer

Ralph A. Gaume Division Director

Committee Members	Start	End	Occupation	Member Designation
Abbot, Dorian	10/01/2018	09/30/2019	University of Chicago	Special Government Employee (SGE) Member
Adamkovics, Mate	10/01/2018	09/30/2019	Clemson University	Special Government Employee (SGE) Member
Aguirre, James	10/01/2018	09/30/2019	University of Pennsylvania	Special Government Employee (SGE) Member
Ahmed, Zeesh	10/01/2018	09/30/2019	SLAC National Accelerator Laboratory	Special Government Employee (SGE) Member
Airapetian, Vladimir	10/01/2018	09/30/2019	National Aeronautics And Space Administration	Special Government Employee (SGE) Member

Alatalo, Katherine	10/01/2018	09/30/2019	AURA Space Telescope Science Institute	Special Government Employee (SGE) Member
Alexander, David	10/01/2018	09/30/2019	Rice University	Special Government Employee (SGE) Member
Andersen, Morten	10/01/2018	09/30/2019	Gemini Observatory	Special Government Employee (SGE) Member
Angeli, George	10/01/2018	09/30/2019	Giant Magellan Telescope Organization	Special Government Employee (SGE) Member
Armentrout, Will	10/01/2018	09/30/2019	Green Bank Observatory	Special Government Employee (SGE) Member
Armitage, Philip	10/01/2018	09/30/2019	Stony Brook University	Special Government Employee (SGE) Member
Ashby, Matthew	10/01/2018	09/30/2019	Harvard University	Regular Government Employee (RGE) Member
Bae, Jaehan	10/01/2018	09/30/2019	Carnegie Institution Of Washington	Special Government Employee (SGE) Member
Baines, Ellyn	10/01/2018	09/30/2019	Department Of Navy Naval Research Laboraory	Regular Government Employee (RGE) Member
Balsler, Dana	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Bania, Thomas	10/01/2018	09/30/2019	Trustees Of Boston University	Special Government Employee (SGE) Member

Barkhouse, Wayne	10/01/2018	09/30/2019	University Of North Dakota	Special Government Employee (SGE) Member
Barnes, Sydney	10/01/2018	09/30/2019	Liebniz-Institut fur Astrophysik Potsdam	Special Government Employee (SGE) Member
Barniol-Duran, Rodolfo	10/01/2018	09/30/2019	California State University-sacramento	Special Government Employee (SGE) Member
Battersby, Cara	10/01/2018	09/30/2019	University Of Connecticut	Special Government Employee (SGE) Member
Bayless, Amanda	10/01/2018	09/30/2019	Southwest Research Institute	Special Government Employee (SGE) Member
Bean, Rachel	10/01/2018	09/30/2019	Cornell University	Special Government Employee (SGE) Member
Beardsley, Adam	10/01/2018	09/30/2019	Arizona State University	Special Government Employee (SGE) Member
Benson, Andrew	10/01/2018	09/30/2019	Carnegie Institution For Science	Special Government Employee (SGE) Member
Benson, Brad	10/01/2018	09/30/2019	University Of Chicago	Special Government Employee (SGE) Member
Bernhardt, Paul	10/01/2018	09/30/2019	Naval Research Laboratory	Regular Government Employee (RGE) Member
Berriman, Graham	10/01/2018	09/30/2019	California Institute of Technology	Special Government Employee (SGE) Member

Berta-Thompson, Zachory	10/01/2018	09/30/2019	University Of Colorado At Boulder	Special Government Employee (SGE) Member
Bezanson, Rachel	10/01/2018	09/30/2019	University Of Pittsburgh	Special Government Employee (SGE) Member
Bischoff, Colin	10/01/2018	09/30/2019	University Of Cincinnati	Special Government Employee (SGE) Member
Boden, Andrew	10/01/2018	09/30/2019	California Institute of Technology	Special Government Employee (SGE) Member
Bogdanovic, Tamara	10/01/2018	09/30/2019	Georgia Institute of Technology	Special Government Employee (SGE) Member
Bosanac, Natasha	10/01/2018	09/30/2019	University of Colorado at Boulder	Special Government Employee (SGE) Member
Bosh, Amanda	10/01/2018	09/30/2019	Massachusetts Institute of Technology	Special Government Employee (SGE) Member
Bowman, Judd	10/01/2018	09/30/2019	Arizona State University	Special Government Employee (SGE) Member
Bradac, Marusa	10/01/2018	09/30/2019	University of California Davis	Special Government Employee (SGE) Member
Bradley, Richard	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Brandt, William	10/01/2018	09/30/2019	Penn State University	Special Government Employee (SGE) Member

Brenneman, Laura	10/01/2018	09/30/2019	Smithsonian Institution Astrophysical Observatory	Regular Government Employee (RGE) Member
Briceno, Cesar	10/01/2018	09/30/2019	National Optical Astronomy Observatory	Special Government Employee (SGE) Member
Brisken, Walter	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Brozovic, Marina	10/01/2018	09/30/2019	Jet Propulsion Laboratory	Special Government Employee (SGE) Member
Bunn, Emory	10/01/2018	09/30/2019	University of Richmond	Special Government Employee (SGE) Member
Butterfield, Natalie	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Buzasi, Derek	10/01/2018	09/30/2019	Florida Gulf Coast University	Special Government Employee (SGE) Member
Caldwell, Robert	10/01/2018	09/30/2019	Dartmouth College	Special Government Employee (SGE) Member
Cannon, John	10/01/2018	09/30/2019	Macalester College	Special Government Employee (SGE) Member
Cantiello, Matteo	10/01/2018	09/30/2019	Simons Foundation	Special Government Employee (SGE) Member
Cardamone, Carolin	10/01/2018	09/30/2019	Tufts University	Special Government Employee (SGE) Member

Cartwright, Richard	10/01/2018	09/30/2019	Seti Institute	Special Government Employee (SGE) Member
Casson, Andrea	10/01/2018	09/30/2019	Square Kilometre Array Organisation	Special Government Employee (SGE) Member
Castanheira Endl, Barbara	10/01/2018	09/30/2019	Baylor University	Special Government Employee (SGE) Member
Cheng, Lan	10/01/2018	09/30/2019	Johns Hopkins University	Special Government Employee (SGE) Member
Christensen, Andrew	10/01/2018	09/30/2019	Aerospace Corporation	Special Government Employee (SGE) Member
Christiansen, Jessie	10/01/2018	09/30/2019	California Institute Of Technology	Special Government Employee (SGE) Member
Churchill, Christopher	10/01/2018	09/30/2019	New Mexico State University	Special Government Employee (SGE) Member
Ciardi, David	10/01/2018	09/30/2019	California Institute of Technology	Special Government Employee (SGE) Member
Cohen, Roger	10/01/2018	09/30/2019	Space Telescope Science Institute	Special Government Employee (SGE) Member
Conroy, Kyle	10/01/2018	09/30/2019	Villanova University	Special Government Employee (SGE) Member
Cooke, Stephen	10/01/2018	09/30/2019	Purchase College SUNY	Special Government Employee (SGE) Member

Cordova, Francisco	10/01/2018	09/30/2019	Arecibo Observatory	Special Government Employee (SGE) Member
Cotto-Figueroa, Desiree	10/01/2018	09/30/2019	University Of Puerto Rico At Humacao	Special Government Employee (SGE) Member
Covey, Kevin	10/01/2018	09/30/2019	Western Washington University	Special Government Employee (SGE) Member
Crabtree, Kyle	10/01/2018	09/30/2019	University of California Davis	Special Government Employee (SGE) Member
Crawford, Fronefield	10/01/2018	09/30/2019	Franklin and Marshall College	Special Government Employee (SGE) Member
Crill, Brendan	10/01/2018	09/30/2019	Jet Propulsion Laboratory	Special Government Employee (SGE) Member
Dalba, Paul	10/01/2018	09/30/2019	University Of California-Riverside	Special Government Employee (SGE) Member
Dawson, Kyle	10/01/2018	09/30/2019	University of Utah	Special Government Employee (SGE) Member
Dawson, Rebekah	10/01/2018	09/30/2019	Pennsylvania State University	Special Government Employee (SGE) Member
De Pree, Christopher	10/01/2018	09/30/2019	Agnes Scott College	Special Government Employee (SGE) Member
Debes, John	10/01/2018	09/30/2019	Space Telescope Science Institute	Special Government Employee (SGE) Member

Dell'Antonio, Ian	10/01/2018	09/30/2019	Brown University	Special Government Employee (SGE) Member Special Government
Deming, Drake	10/01/2018	09/30/2019	University of Maryland	Employee (SGE) Member Special Government
Den Hartog, Elizabeth	10/01/2018	09/30/2019	University of Wisconsin - Madison	Employee (SGE) Member Special Government
Dhuga, Kalvir	10/01/2018	09/30/2019	George Washington University	Employee (SGE) Member Special Government
Di Cintio, Arianna	10/01/2018	09/30/2019	Instituto De Astrofisica De Canarias	Employee (SGE) Member Special Government
Diaz, Andres	10/01/2018	09/30/2019	Ana G. Mendez University	Employee (SGE) Member Special Government
Dinerstein, Harriet	10/01/2018	09/30/2019	University of Texas at Austin	Employee (SGE) Member Special Government
Djuth, Frank	10/01/2018	09/30/2019	Geospace Research, Inc.	Employee (SGE) Member Special Government
Dominguez, Gerardo	10/01/2018	09/30/2019	California State University San Marcos	Employee (SGE) Member Special Government
Donahoe, Patrick	10/01/2018	09/30/2019	Associated Universities, Inc.	Employee (SGE) Member Regular Government
Dotson, Jessie	10/01/2018	09/30/2019	NASA Ames Research Center	Employee (RGE) Member

Draine, Bruce	10/01/2018	09/30/2019	Princeton University	Special Government Employee (SGE) Member
Dukes, Catherine	10/01/2018	09/30/2019	University Of Virginia Main Campus	Special Government Employee (SGE) Member
Dumas, Christophe	10/01/2018	09/30/2019	Tmt Observatory Corporation	Special Government Employee (SGE) Member
Duncan, Nicole	10/01/2018	09/30/2019	Ball Aerospace	Special Government Employee (SGE) Member
Faber, Joshua	10/01/2018	09/30/2019	Rochester Institute of Technology	Special Government Employee (SGE) Member
Faggi, Sara	10/01/2018	09/30/2019	NASA Goddard Space Flight Center	Special Government Employee (SGE) Member
Feiden, Gregory	10/01/2018	09/30/2019	University Of North Georgia	Special Government Employee (SGE) Member
Ferguson, Dale	10/01/2018	09/30/2019	Air Force Research Laboratory	Regular Government Employee (RGE) Member
Finn, Rose	10/01/2018	09/30/2019	Siena College	Special Government Employee (SGE) Member
Fisher, Robert	10/01/2018	09/30/2019	University of Massachusetts, Dartmouth	Special Government Employee (SGE) Member
Flaugher, Brenna	10/01/2018	09/30/2019	Fermi National Accelerator Lab.	Special Government Employee (SGE) Member

Foltz, Craig	10/01/2018	09/30/2019	Astrophysicist	Special Government Employee (SGE) Member
Fox, Andrew	10/01/2018	09/30/2019	Space Telescope Science Institute	Special Government Employee (SGE) Member
Frinchaboy, Peter	10/01/2018	09/30/2019	Texas Christian University	Special Government Employee (SGE) Member
Frye, Brenda	10/01/2018	09/30/2019	University of Arizona	Special Government Employee (SGE) Member
Fryer, Christopher	10/01/2018	09/30/2019	Los Alamos National Laboratory	Special Government Employee (SGE) Member
Fu, Gongkang	10/01/2018	09/30/2019	Illinois Institute of Technology	Special Government Employee (SGE) Member
Fu, Hai	10/01/2018	09/30/2019	University of Iowa	Special Government Employee (SGE) Member
Fulton, Benjamin	10/01/2018	09/30/2019	California Institute Of Technology	Special Government Employee (SGE) Member
Furlan, Elise	10/01/2018	09/30/2019	California Institute Of Technology	Special Government Employee (SGE) Member
Gaisser, Thomas	10/01/2018	09/30/2019	University of Delaware	Special Government Employee (SGE) Member
Gajjar, Vishal	10/01/2018	09/30/2019	University Of California Berkeley	Special Government Employee (SGE) Member

Garrett, Michael	10/01/2018	09/30/2019	University of Manchester	Special Government Employee (SGE) Member
Gay, Pamela	10/01/2018	09/30/2019	Planetary Science Institute	Special Government Employee (SGE) Member
Geha, Marla	10/01/2018	09/30/2019	Yale University	Special Government Employee (SGE) Member
Georgoulis, Manolis	10/01/2018	09/30/2019	RCAAM, Academy of Athens	Special Government Employee (SGE) Member
Golwala, Sunil	10/01/2018	09/30/2019	California Institute of Technology	Special Government Employee (SGE) Member
Gomez Maqueo Chew, Yilen	10/01/2018	09/30/2019	Universidad Nacional Autonoma De Mexico	Special Government Employee (SGE) Member
Gonthier, Peter	10/01/2018	09/30/2019	Hope College	Special Government Employee (SGE) Member
Green, Joel	10/01/2018	09/30/2019	Space Telescope Science Institute	Special Government Employee (SGE) Member
Griffith, Caitlin	10/01/2018	09/30/2019	University Of Arizona	Special Government Employee (SGE) Member
Grupe, Dirk	10/01/2018	09/30/2019	Morehead State University	Special Government Employee (SGE) Member
Haas, Roland	10/01/2018	09/30/2019	NCSA	Special Government Employee (SGE) Member

Haghighipour, Nader	10/01/2018	09/30/2019	University Of Hawaii	Special Government Employee (SGE) Member
Hallinan, Gregg	10/01/2018	09/30/2019	California Institute of Technology	Special Government Employee (SGE) Member
Harding, Paul	10/01/2018	09/30/2019	Case Western Reserve University	Special Government Employee (SGE) Member
Heiles, Carl	10/01/2018	09/30/2019	University of California-Berkeley	Special Government Employee (SGE) Member
Hickox, Ryan	10/01/2018	09/30/2019	Dartmouth College	Special Government Employee (SGE) Member
Higdon, James	10/01/2018	09/30/2019	Georgia Southern University	Special Government Employee (SGE) Member
Higdon, Sarah	10/01/2018	09/30/2019	Georgia Southern University	Special Government Employee (SGE) Member
Hofner, Peter	10/01/2018	09/30/2019	New Mexico Tech	Special Government Employee (SGE) Member
Hogg, David	10/01/2018	09/30/2019	New York University	Special Government Employee (SGE) Member
Hole, Tabetha	10/01/2018	09/30/2019	Norwich University	Special Government Employee (SGE) Member
Holwerda, Benne	10/01/2018	09/30/2019	University Of Louisville	Special Government Employee (SGE) Member

Hughes, Scott	10/01/2018	09/30/2019	Massachusetts Institute of Technology	Special Government Employee (SGE) Member
Hysell, David	10/01/2018	09/30/2019	Cornell University	Special Government Employee (SGE) Member
Isella, Andrea	10/01/2018	09/30/2019	Rice University	Special Government Employee (SGE) Member
Jablonka, Pascale	10/01/2018	09/30/2019	Ecole Polytechnique Federale Lausanne	Special Government Employee (SGE) Member
Jackson, Bernard	10/01/2018	09/30/2019	University of California-San Diego	Special Government Employee (SGE) Member
James, David	10/01/2018	09/30/2019	University of Washington	Special Government Employee (SGE) Member
Jayawardhana, Ray	10/01/2018	09/30/2019	Cornell University	Special Government Employee (SGE) Member
Jensen, Elizabeth	10/01/2018	09/30/2019	Planetary Science Institute	Special Government Employee (SGE) Member
Jewell, Philip	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Jha, Saurabh	10/01/2018	09/30/2019	Rutgers University	Special Government Employee (SGE) Member
Ji, Suoqing	10/01/2018	09/30/2019	California Institute Of Technology	Special Government Employee (SGE) Member

Johnson, Megan	10/01/2018	09/30/2019	United States Naval Observatory	Regular Government Employee (RGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Johnston, Kathryn	10/01/2018	09/30/2019	Columbia University	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Jones, Thomas	10/01/2018	09/30/2019	University Of Minnesota	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Jorgenson, Regina	10/01/2018	09/30/2019	Nantucket Maria Mitchell Association	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kaltcheva, Nadejda	10/01/2018	09/30/2019	University of Wisconsin-Oshkosh	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kapinska, Anna	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kara, Erin	10/01/2018	09/30/2019	University Of Maryland	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kasliwal, Mansi	10/01/2018	09/30/2019	California Institute of Technology	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kepley, Amanda	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kibblewhite, Edward	10/01/2018	09/30/2019	University of Chicago	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kieda, David	10/01/2018	09/30/2019	University of Utah	Special Government Employee (SGE) Member

Kim, Dong-Woo	10/01/2018	09/30/2019	Harvard-Smithsonian Center for Astrophysics	Special Government Employee (SGE) Member Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kim, Jinyoung	10/01/2018	09/30/2019	University of Arizona	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
King, Lindsay	10/01/2018	09/30/2019	University Of Texas At Dallas	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kleese van Dam, Kerstin	10/01/2018	09/30/2019	Brookhaven National Laboratory	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kobulnicky, Chip	10/01/2018	09/30/2019	University of Wyoming	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Koekemoer, Anton	10/01/2018	09/30/2019	Space Telescope Science Institute	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Krabbendam, Victor	10/01/2018	09/30/2019	Large Synoptic Survey Telescope Project	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kritsuk, Alexei	10/01/2018	09/30/2019	University Of California-san Diego	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Krolik, Julian	10/01/2018	09/30/2019	Johns Hopkins University	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kuhn, Jeffrey	10/01/2018	09/30/2019	University of Hawaii Manoa	Special Government Employee (SGE) Member Special Government Employee (SGE) Member
Kulkarni, Varsha	10/01/2018	09/30/2019	University of South Carolina	Special Government Employee (SGE) Member Special Government Employee (SGE) Member

LaMarche, Paul	10/01/2018	09/30/2019	Princeton University	Special Government Employee (SGE) Member
Lacy, Mark	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Lai, Dong	10/01/2018	09/30/2019	Cornell University	Special Government Employee (SGE) Member
Landi, Enrico	10/01/2018	09/30/2019	The University of Michigan	Special Government Employee (SGE) Member
Law, Casey	10/01/2018	09/30/2019	University Of California Berkeley	Special Government Employee (SGE) Member
Lederer, Susan	10/01/2018	09/30/2019	NASA Johnson Space Center	Regular Government Employee (RGE) Member
Leiner, Emily	10/01/2018	09/30/2019	Northwestern University	Special Government Employee (SGE) Member
Lesser, Michael	10/01/2018	09/30/2019	University Of Arizona	Special Government Employee (SGE) Member
Li, Aigen	10/01/2018	09/30/2019	University of Missouri	Special Government Employee (SGE) Member
Li, Yuan	10/01/2018	09/30/2019	University Of California-Berkeley	Special Government Employee (SGE) Member
Li, Yuexing	10/01/2018	09/30/2019	Pennsylvania State University	Special Government Employee (SGE) Member

Lieu, Maggie	10/01/2018	09/30/2019	European Space Agency	Special Government Employee (SGE) Member Regular
Lim, Lucy	10/01/2018	09/30/2019	NASA Goddard Space Flight Center	Government Employee (RGE) Member Special
Lind, Frank	10/01/2018	09/30/2019	Massachusetts Institute of Technology	Government Employee (SGE) Member Special
Liu, Charles	10/01/2018	09/30/2019	CUNY College of Staten Island	Government Employee (SGE) Member Special
Liu, Michael	10/01/2018	09/30/2019	University of Hawaii	Government Employee (SGE) Member Special
Liu, Tingting	10/01/2018	09/30/2019	University of Wisconsin - Milwaukee	Government Employee (SGE) Member Special
Lockman, Felix	10/01/2018	09/30/2019	Associated Universities Inc/national Radio Astronomy Observatory	Government Employee (SGE) Member Special
Loeffler, Mark	10/01/2018	09/30/2019	Northern Arizona University	Government Employee (SGE) Member Special
Longcope, Dana	10/01/2018	09/30/2019	Montana State University	Government Employee (SGE) Member Special
Lonsdale, Colin	10/01/2018	09/30/2019	Massachusetts Institute Of Technology	Government Employee (SGE) Member Special
Lynch, Benjamin	10/01/2018	09/30/2019	University of California-Berkeley	Government Employee (SGE) Member

Mack, Katherine	10/01/2018	09/30/2019	University of North Carolina	Special Government Employee (SGE) Member Regular Government Employee (RGE) Member Special Government Employee (SGE) Member
Marley, Mark	10/01/2018	09/30/2019	NASA Ames Research Center	Special Government Employee (SGE) Member
Martin, Crystal	10/01/2018	09/30/2019	University of California-Santa Barbara	Special Government Employee (SGE) Member
Martinez Pillet, Valentin	10/01/2018	09/30/2019	National Solar Observatory	Special Government Employee (SGE) Member
Martini, Paul	10/01/2018	09/30/2019	Ohio State University	Special Government Employee (SGE) Member
Martizzi, Davide	10/01/2018	09/30/2019	University of Copenhagen	Special Government Employee (SGE) Member Regular Government Employee (RGE) Member
Mather, John	10/01/2018	09/30/2019	NASA Goddard Space Flight Center	Special Government Employee (SGE) Member
Mathews, John	10/01/2018	09/30/2019	The Pennsylvania State University	Special Government Employee (SGE) Member
Mathieu, Robert	10/01/2018	09/30/2019	University of Wisconsin	Special Government Employee (SGE) Member
Matson, Rachel	10/01/2018	09/30/2019	NASA Ames Research Center	Special Government Employee (SGE) Member
McAteer, James	10/01/2018	09/30/2019	New Mexico State University	Special Government Employee (SGE) Member

McDonald, Michael	10/01/2018	09/30/2019	Massachusetts Institute of Technology	Special Government Employee (SGE) Member
McGrath, Elizabeth	10/01/2018	09/30/2019	Colby College	Special Government Employee (SGE) Member
McGurk, Rosalie	10/01/2018	09/30/2019	Carnegie Observatories	Special Government Employee (SGE) Member
McLaughlin, Maura	10/01/2018	09/30/2019	West Virginia University	Special Government Employee (SGE) Member
McMahon, Jeff	10/01/2018	09/30/2019	University of Michigan	Special Government Employee (SGE) Member
McSwain, Mary	10/01/2018	09/30/2019	Lehigh University	Special Government Employee (SGE) Member
Meier, David	10/01/2018	09/30/2019	New Mexico Tech	Special Government Employee (SGE) Member
Melendez, Marcio	10/01/2018	09/30/2019	Space Telescope Science Institute	Special Government Employee (SGE) Member
Melis, Carl	10/01/2018	09/30/2019	University Of California San Diego	Special Government Employee (SGE) Member
Minchin, Robert	10/01/2018	09/30/2019	Universities Space Research Association	Special Government Employee (SGE) Member
Miralles, Mari Paz	10/01/2018	09/30/2019	Smithsonian Institution Astrophysical Observatory	Special Government Employee (SGE) Member

Moffett, Amanda	10/01/2018	09/30/2019	Vanderbilt University	Special Government Employee (SGE) Member
Monnier, John	10/01/2018	09/30/2019	University of Michigan Ann Arbor	Special Government Employee (SGE) Member
Montgomery, Michael	10/01/2018	09/30/2019	University of Texas at Austin	Special Government Employee (SGE) Member
Morris, David	10/01/2018	09/30/2019	University of The Virgin Islands	Special Government Employee (SGE) Member
Motl, Patrick	10/01/2018	09/30/2019	Indiana University at Kokomo	Special Government Employee (SGE) Member
Mutel, Robert	10/01/2018	09/30/2019	University of Iowa	Special Government Employee (SGE) Member
Myers, Steven	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Narayanan, Desika	10/01/2018	09/30/2019	University Of Florida	Special Government Employee (SGE) Member
Navarro, Julio	10/01/2018	09/30/2019	University of Victoria	Special Government Employee (SGE) Member
Nelson, Erica	10/01/2018	09/30/2019	Harvard Smithsonian	Special Government Employee (SGE) Member
Noyola, Eva	10/01/2018	09/30/2019	University of Texas at Austin	Special Government Employee (SGE) Member

Offner, Stella	10/01/2018	09/30/2019	University Of Texas At Austin	Special Government Employee (SGE) Member
Osterman, Steven	10/01/2018	09/30/2019	Johns Hopkins Applied Physics Lab	Special Government Employee (SGE) Member
Paglione, Timothy	10/01/2018	09/30/2019	York College, Cuny	Special Government Employee (SGE) Member
Pagnotta, Ashley	10/01/2018	09/30/2019	American Museum Natural History	Special Government Employee (SGE) Member
Palotai, Csaba	10/01/2018	09/30/2019	Florida Institute of Technology	Special Government Employee (SGE) Member
Parsons, Harriet	10/01/2018	09/30/2019	East Asia Observatory	Special Government Employee (SGE) Member
Paulos, Robert	10/01/2018	09/30/2019	University of Wisconsin - Madison	Special Government Employee (SGE) Member
Pearson, Sarah	10/01/2018	09/30/2019	Flat Iron Institute	Special Government Employee (SGE) Member
Perley, Richard	10/01/2018	09/30/2019	Associated Universities, Inc.	Special Government Employee (SGE) Member
Perrin, Marshall	10/01/2018	09/30/2019	AURA, Space Telescope Science Institute	Special Government Employee (SGE) Member
Peter, Annika	10/01/2018	09/30/2019	Ohio State University	Special Government Employee (SGE) Member

Petigura, Erik	10/01/2018	09/30/2019	California Institute Of Technology	Special Government Employee (SGE) Member
Pihlstrom, Ylva	10/01/2018	09/30/2019	University Of New Mexico	Special Government Employee (SGE) Member
Plewa, Tomasz	10/01/2018	09/30/2019	Florida State University	Special Government Employee (SGE) Member
Prato, Lisa	10/01/2018	09/30/2019	Lowell Observatory	Special Government Employee (SGE) Member
Pratt, Jane	10/01/2018	09/30/2019	Georgia State University	Special Government Employee (SGE) Member
Prestage, Richard	10/01/2018	09/30/2019	West Virginia University	Special Government Employee (SGE) Member
Prince, Thomas	10/01/2018	09/30/2019	California Institute of Technology	Special Government Employee (SGE) Member
Proga, Daniel	10/01/2018	09/30/2019	University of Nevada Las Vegas	Special Government Employee (SGE) Member
Qiu, Jiong	10/01/2018	09/30/2019	Montana State University	Special Government Employee (SGE) Member
Quimby, Robert	10/01/2018	09/30/2019	San Diego State University	Special Government Employee (SGE) Member
Ragozzine, Darin	10/01/2018	09/30/2019	Brigham Young University	Special Government Employee (SGE) Member

Ravindranath, Swara	10/01/2018	09/30/2019	Space Telescope Science Institute	Special Government Employee (SGE) Member
Rayner, John	10/01/2018	09/30/2019	University Of Hawaii, Manoa	Special Government Employee (SGE) Member
Read, Jocelyn	10/01/2018	09/30/2019	California State University-fullerton	Special Government Employee (SGE) Member
Remijan, Anthony	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Renno, Nilton	10/01/2018	09/30/2019	University Of Michigan	Special Government Employee (SGE) Member
Rhode, Katherine	10/01/2018	09/30/2019	Indiana University	Special Government Employee (SGE) Member
Richardson, Noel	10/01/2018	09/30/2019	University of Toledo	Special Government Employee (SGE) Member
Richstone, Douglas	10/01/2018	09/30/2019	University Of Michigan Ann Arbor	Special Government Employee (SGE) Member
Rizzuto, Aaron	10/01/2018	09/30/2019	University Of Texas At Austin	Special Government Employee (SGE) Member
Rodriguez Hidalgo, Paola	10/01/2018	09/30/2019	University Of Washington Bothell	Special Government Employee (SGE) Member
Roederer, Ian	10/01/2018	09/30/2019	University Of Michigan	Special Government Employee (SGE) Member

Rosolowsky, Erik	10/01/2018	09/30/2019	University of Alberta	Special Government Employee (SGE) Member
Rubin, Kate	10/01/2018	09/30/2019	San Diego State University	Special Government Employee (SGE) Member
Saito, Shun	10/01/2018	09/30/2019	Missouri Univ. of Science and Technology	Special Government Employee (SGE) Member
Saxena, Prabal	10/01/2018	09/30/2019	NASA Goddard Space Flight Center	Special Government Employee (SGE) Member
Sayers, Jack	10/01/2018	09/30/2019	Caltech Consortium In Chemistry	Special Government Employee (SGE) Member Regular
Scargle, Jeffrey	10/01/2018	09/30/2019	NASA Ames Research Center	Government Employee (RGE) Member
Schechter, Paul	10/01/2018	09/30/2019	Massachusetts Institute of Technology	Special Government Employee (SGE) Member
Schuler, Simon	10/01/2018	09/30/2019	University Of Tampa	Special Government Employee (SGE) Member
Scott, Jennifer	10/01/2018	09/30/2019	Towson University	Special Government Employee (SGE) Member
Sexton-Kennedy, Elizabeth	10/01/2018	09/30/2019	Fermi National Accelerator Laboratory	Special Government Employee (SGE) Member
Shannon, Andrew	10/01/2018	09/30/2019	Penn State University	Special Government Employee (SGE) Member

Shectman, Stephen	10/01/2018	09/30/2019	Carnegie Institution of Washington	Special Government Employee (SGE) Member
Sheth, Ravi	10/01/2018	09/30/2019	University Of Pennsylvania	Special Government Employee (SGE) Member
Siemens, Xavier	10/01/2018	09/30/2019	University Of Wisconsin-madison	Special Government Employee (SGE) Member
Simcoe, Robert	10/01/2018	09/30/2019	Massachusetts Institute of Technology	Special Government Employee (SGE) Member
Simon, Josh	10/01/2018	09/30/2019	Observatories of the Carnegie Institution	Special Government Employee (SGE) Member
Simon, Richard	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Skemer, Andrew	10/01/2018	09/30/2019	University of California-Santa Cruz	Special Government Employee (SGE) Member
Skov, Tamitha	10/01/2018	09/30/2019	Aerospace Corporation	Special Government Employee (SGE) Member
Smith, Bernice	10/01/2018	09/30/2019	Environmental Protection Agency	Regular Government Employee (RGE) Member
Smith, Tristan	10/01/2018	09/30/2019	Swarthmore College	Special Government Employee (SGE) Member
Sneden, Christopher	10/01/2018	09/30/2019	University of Texas at Austin	Special Government Employee (SGE) Member

Sollitt, Luke	10/01/2018	09/30/2019	The Citadel	Special Government Employee (SGE) Member
Soule, Benjamin	10/01/2018	09/30/2019	Systra International Bridge Technologies	Special Government Employee (SGE) Member
Speck, Angela	10/01/2018	09/30/2019	University Of Missouri-columbia	Special Government Employee (SGE) Member
Sperhake, Ulrich	10/01/2018	09/30/2019	University of Cambridge	Special Government Employee (SGE) Member
Spitkovsky, Anatoly	10/01/2018	09/30/2019	Princeton University	Special Government Employee (SGE) Member
Stencel, Robert	10/01/2018	09/30/2019	University of Denver	Special Government Employee (SGE) Member
Strolger, Louis-Gregory	10/01/2018	09/30/2019	Space Telescope Science Institute	Special Government Employee (SGE) Member
Szentgyorgyi, Andrew	10/01/2018	09/30/2019	Smithsonian Astrophysical Observatory	Special Government Employee (SGE) Member
Tabatabai, Habib	10/01/2018	09/30/2019	University Of Wisconsin-milwaukee	Special Government Employee (SGE) Member
Tanner, Angelle	10/01/2018	09/30/2019	Mississippi State University	Special Government Employee (SGE) Member
Tayal, Swaraj	10/01/2018	09/30/2019	Clark Atlanta University	Special Government Employee (SGE) Member

Taylor, Gregory	10/01/2018	09/30/2019	University Of New Mexico	Special Government Employee (SGE) Member
Thompson, Laird	10/01/2018	09/30/2019	University of Illinois	Special Government Employee (SGE) Member
Tichy, Wolfgang	10/01/2018	09/30/2019	Florida Atlantic University	Special Government Employee (SGE) Member
Trancho, Gelys	10/01/2018	09/30/2019	Thirty Meter Telescope Observatory Corporation	Special Government Employee (SGE) Member
Travouillon, Tony	10/01/2018	09/30/2019	Australian National University	Special Government Employee (SGE) Member
Tremonti, Christy	10/01/2018	09/30/2019	University of Wisconsin-Madison	Special Government Employee (SGE) Member
Troland, Thomas	10/01/2018	09/30/2019	University of Kentucky	Special Government Employee (SGE) Member
Turner, Jean	10/01/2018	09/30/2019	University of California, Los Angeles	Special Government Employee (SGE) Member
Van Horn, Hugh	10/01/2018	09/30/2019	University of Rochester	Special Government Employee (SGE) Member
Varniere, Peggy	10/01/2018	09/30/2019	University Of Paris Vii Diderot	Special Government Employee (SGE) Member
Venuti, Laura	10/01/2018	09/30/2019	NASA Ames Research Center	Special Government Employee (SGE) Member

Vidali, Gianfranco	10/01/2018	09/30/2019	Syracuse University	Special Government Employee (SGE) Member
Vilas, Faith	10/01/2018	09/30/2019	Planetary Science Institute	Special Government Employee (SGE) Member
Villadsen, Jackie	10/01/2018	09/30/2019	National Radio Astronomy Observatory	Special Government Employee (SGE) Member
Vogt, Nicole	10/01/2018	09/30/2019	New Mexico State University	Special Government Employee (SGE) Member
Vrinceanu, Daniel	10/01/2018	09/30/2019	Texas Southern University	Special Government Employee (SGE) Member
Wade, Leslie	10/01/2018	09/30/2019	Kenyon College	Special Government Employee (SGE) Member
Walsh, Jonelle	10/01/2018	09/30/2019	Texas A&m University Main Campus	Special Government Employee (SGE) Member
Warner, Brian	10/01/2018	09/30/2019	Center for Solar System Studies	Special Government Employee (SGE) Member
Watson, G. Scott	10/01/2018	09/30/2019	Syracuse University	Special Government Employee (SGE) Member
Weber, Maria	10/01/2018	09/30/2019	University Of Chicago	Special Government Employee (SGE) Member
Weichman, Marissa	10/01/2018	09/30/2019	Joint Institute for Laboratory Astrophysics	Regular Government Employee (RGE) Member

Weinreb, Sander	10/01/2018	09/30/2019	California Institute of Technology	Special Government Employee (SGE) Member
Wheeler, Coral	10/01/2018	09/30/2019	California Institute Of Technology	Special Government Employee (SGE) Member
White, Martin	10/01/2018	09/30/2019	University Of California Berkeley	Special Government Employee (SGE) Member
Wingate, Lory	10/01/2018	09/30/2019	University Corporation For Atmospheric Research	Special Government Employee (SGE) Member
Wise, Michael	10/01/2018	09/30/2019	SRON Netherlands Institute for Space Research	Special Government Employee (SGE) Member
Wolf, Marsha	10/01/2018	09/30/2019	University of Wisconsin-Madison	Special Government Employee (SGE) Member
Womack, Maria	10/01/2018	09/30/2019	University Of South Florida	Special Government Employee (SGE) Member
Woodward, Paul	10/01/2018	09/30/2019	University of Minnesota	Special Government Employee (SGE) Member
Wordsworth, Robin	10/01/2018	09/30/2019	Harvard University	Special Government Employee (SGE) Member
Yoon, Jinmi	10/01/2018	09/30/2019	University Of Notre Dame	Special Government Employee (SGE) Member
Young, Jason	10/01/2018	09/30/2019	Mount Holyoke College	Special Government Employee (SGE) Member

				Special Government Employee (SGE) Member
Young, Renotta	10/01/2018	09/30/2019	Columbia University	Special Government Employee (SGE) Member
Zasowski, Gail	10/01/2018	09/30/2019	University Of Utah	Special Government Employee (SGE) Member
Zhu, Zhaohuan	10/01/2018	09/30/2019	University Of Nevada Las Vegas	Special Government Employee (SGE) Member
Ziurys, Lucy	10/01/2018	09/30/2019	University of Arizona	Special Government Employee (SGE) Member
de Pater, Imke	10/01/2018	09/30/2019	University Of California Berkeley	Special Government Employee (SGE) Member
van Belle, Gerard	10/01/2018	09/30/2019	Lowell Observatory	Special Government Employee (SGE) Member

Number of Committee Members Listed: 319

Narrative Description

The NSF mission is set out in the NSF Act of 1950 and authorizes and directs the Agency to initiate and support basic scientific research and research fundamental to the engineering process; and science and engineering education programs at all levels and in all fields of science and engineering. The involvement of knowledgeable peers from outside the Foundation in the review of proposals is the keystone of NSF's proposal review system. Their judgements of the extent to which proposals address the merit review criteria are vital for informing NSF staff and influencing funding recommendations.

What are the most significant program outcomes associated with this committee?

Checked if
Applies

- Improvements to health or safety
- Trust in government
- Major policy changes
- Advance in scientific research
- Effective grant making
- Improved service delivery
- Increased customer satisfaction
- Implementation of laws or regulatory requirements
- Other

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

- None
- Unable to Determine
- Under \$100,000
- \$100,000 - \$500,000
- \$500,001 - \$1,000,000
- \$1,000,001 - \$5,000,000
- \$5,000,001 - \$10,000,000
- Over \$10,000,000
- Cost Savings Other

Cost Savings Comments

NA

What is the approximate Number of recommendations produced by this committee for the life of the committee?

943

Number of Recommendations Comments

Please note that the number of recommendation is for the fiscal year.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

100%

% of Recommendations Fully Implemented Comments

The word implement is not applicable to grant review panels. All recommendations for award are considered by the Agency.

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

0%

% of Recommendations Partially Implemented Comments

Not applicable. Please see answer directly above.

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes No Not Applicable

Agency Feedback Comments

Although panelists may not receive direct feedback, each committee member may use the NSF Fastlane, a public web-based program, which provides information on awards made by the agency to determine the outcome of proposals reviewed by the panel.

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input checked="" type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

Is the Committee engaged in the review of applications for grants?

Yes

What is the estimated **Number** of grants reviewed for approval 913

What is the estimated **Number** of grants recommended for approval 204

What is the estimated **Dollar Value** of grants recommended for approval \$96,583,083

Grant Review Comments

The panelists provide information on the merit of the proposals, which include an overall rating.

How is access provided to the information for the Committee's documentation?

Checked if Applies

- Contact DFO
- Online Agency Web Site
- Online Committee Web Site
- Online GSA FACA Web Site
- Publications
- Other

Access Comments

N/A