

Project Management for Scientists 2019

Proposal Evaluation

Evaluate all proposals, except for your own. Fill in these forms by 1 November 2019 at 09:15.

Proposal 1: Automating the 3-m Shane Telescope for Astronomical Surveying

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 2: Developing an Event Classification Algorithm for the Cherenkov Telescope Array

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 3: Neural Networks for next generation Adaptive Optics systems

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 4: Beyond CO Outflows, Finding Complex Molecules of Planet Formation

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 5: Life Signature Detection from the Moon (LSDmoon)

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 6: Lava Rainbows of 55 Cnc e: Proposal

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 7: Exploring innovations in High contrast imaging algorithms using deep neural networks

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 8: Constraints on the Interior Density and Porosity of an (Interstellar) Comet

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 9: Nirvana Science Foreclosures (NSF) Grant Proposal

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- ___ Innovativeness of the proposed research
- ___ Likelihood to achieve the proposed research goals
- ___ Realism of the proposed research plan and budget
- ___ Qualification of the proposer to carry out the proposed research

Proposal 10: The missing link: Investigating Sz91

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- ___ Innovativeness of the proposed research
- ___ Likelihood to achieve the proposed research goals
- ___ Realism of the proposed research plan and budget
- ___ Qualification of the proposer to carry out the proposed research

Proposal 11: TRACING THE ORBITS OF MILKY WAY GALAXY AND M31 AT HIGH REDSHIFTS USING MODEL SIMULATIONS

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- ___ Innovativeness of the proposed research
- ___ Likelihood to achieve the proposed research goals
- ___ Realism of the proposed research plan and budget
- ___ Qualification of the proposer to carry out the proposed research

Proposal 12: MAMUTPoC-The MASSively MULTiplexed Telescope Proof of Concept

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- ___ Innovativeness of the proposed research
- ___ Likelihood to achieve the proposed research goals
- ___ Realism of the proposed research plan and budget
- ___ Qualification of the proposer to carry out the proposed research

Proposal 13: Employing deep learning to select potential ground breaking targets from sky surveys

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 14: The sun's motion and it's vertical position with respect to the Milky Way disk

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 15: Magnetism in galaxy evolution

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- ___ Innovativeness of the proposed research
- ___ Likelihood to achieve the proposed research goals
- ___ Realism of the proposed research plan and budget
- ___ Qualification of the proposer to carry out the proposed research

Proposal 16: ExoML: Direct imaging of exoplanets with machine learning

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- ___ Innovativeness of the proposed research
- ___ Likelihood to achieve the proposed research goals
- ___ Realism of the proposed research plan and budget
- ___ Qualification of the proposer to carry out the proposed research

Proposal 17: Emulation of Euclid-era Cosmology with Neural Networks

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- ___ Innovativeness of the proposed research
- ___ Likelihood to achieve the proposed research goals
- ___ Realism of the proposed research plan and budget
- ___ Qualification of the proposer to carry out the proposed research

Proposal 18: EFFECTS OF THE AURORAL COLORS ON THE UPPER ATMOSPHERE

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- ___ Innovativeness of the proposed research
- ___ Likelihood to achieve the proposed research goals
- ___ Realism of the proposed research plan and budget
- ___ Qualification of the proposer to carry out the proposed research

Proposal 19: *Modelling of a space-based radio telescope for determining reionisation epoch of the universe from 21-cm radiation*

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 20: *The relationship between active galactic nuclei and their large scale environment*

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research

Proposal 21: Space History: asteroids reveal the origins of our Solar System

A) Summary of the innovative aspects of the proposed research (1 sentence):

B) Verbal assessment of the proposal (1 sentence):

C) Numerical grades between 1 (bad) to 10 (excellent) on the following aspects:

- _____ Innovativeness of the proposed research
- _____ Likelihood to achieve the proposed research goals
- _____ Realism of the proposed research plan and budget
- _____ Qualification of the proposer to carry out the proposed research