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 realtionship 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

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