

SURPASS PROGRAM

FULL PROPOSAL REVIEW CRITERION

Date: 8/22/2022

REVIEW CONSIDERATIONS

Proposals will be reviewed by a selection team from WSE and APL, including independent subject matter experts. Proposals will be evaluated on the criteria and sub-criteria outlined in this document, as well as strategic considerations from senior WSE and APL leadership. Reviewers are *not* at liberty to comment on your proposal before submission.

POINT DISTRIBUTION SUMMARY

Criterion 1: Technical Approach (total 12 points)

Sub-criterion 1.1: Scope and impact (4 points)

Sub-criterion 1.2: Innovativeness (4 points)

Sub-criterion 1.3: Technical challenge (4 points)

Criterion 2: Collaboration Plan (4 points x 2 = total 8 points)

Criterion 3: Future Funding Consideration (4 points x 3 = total 12 points)

Criterion 4: Project Budget and Budget Realism (4 points x 2 = total 8 points)

Maximum total score: 40 points

The details of how these criteria and sub-criteria will be evaluated as well as which proposal sections will be considered for each follows.

CRITERION 1: TECHNICAL APPROACH (TOTAL 12 POINTS)

Relevant proposal sections:

- Overview/background
- Technical Approach
 - Innovativeness
 - Technical challenge
 - Risk Identification and Mitigation
- Quad Chart
- Technical appendix: CV/Biosketch
- Technical appendix: Bibliography

Indicate how well the proposal accomplishes the goal statements in each sub-criterion.

(1) Underwhelming (2) Meets expectations (3) Above expectations (4) Exceptional

The sum total of the sub-criteria scores will be the score for Criterion 1: Technical Approach.

Sub-criterion: Scope and Impact (4 points)

- The proposal convincingly outlined how their approach will solve their problem for a well-defined set of users and unmet need.
- The authors clearly indicated how they will differentiate themselves from their competition.
- This proposal will have a broad global impact in that it will position JHU as a global leader.

Sub-criterion: Innovativeness (4 points)

- The authors adequately justified why their ideas are ambitious “big bets.”
- This proposal idea will fundamentally transform the field within the next decade.
- This proposal idea is a truly revolutionary innovation that takes advantage of/responds to disruptive opportunities (or counters such disruption).

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Sub-criterion: Technical challenge (4 points)

- Through this proposal approach, researchers will be discovering enabling techniques or experimental approaches, not merely applying existing technology or experimental approaches in a new way.
- The researchers are employing technically valid means for solving the problem and leveraging valid, field-specific trends and practices.
- The proposal adequately describes how the authors will mitigate risk and know when they need to pivot their research direction.

CRITERION 2: COLLABORATION PLAN (4 POINTS X 2 = TOTAL 8 POINTS)

Relevant proposal sections:

- Collaboration Plan
- WSE/APL Integrated Milestone Schedule
- Technical appendix: CV/Biosketch

Indicate how well the proposal accomplishes the goal statements in this criterion.

(1) Underwhelming (2) Meets expectations (3) Above expectations (4) Exceptional

The score out of 4 points will be doubled to calculate the total score for Criterion 2: Collaboration Plan.

- The proposal clearly leverages unique strengths in a powerfully interdisciplinary way.
- The proposal convincingly explains how the collaborators are the right team to solve this problem.
- The proposal adequately outlines how the researchers will satisfy team member publication goals and equipment usage needs.
- The proposal adequately outlines how the team will share data through the interdivisional collaboration.
- The proposal adequately outlines how the researchers will make their vision a reality through sufficient milestones and expected achievements.

CRITERION 3: FUTURE FUNDING CONSIDERATION (4 POINTS X 3 = TOTAL 12 POINTS)

Relevant proposal sections:

- Future Funding Considerations
- Quad chart

Indicate how well the proposal accomplishes the goal statements in this criterion.

(1) Underwhelming (2) Meets expectations (3) Above expectations (4) Exceptional

The score out of 4 points will be tripled to calculate the total score for Criterion 3: Future Funding Consideration.

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- The authors have comprehensively described how this proposed research aligns with known or expected USGOV, commercial sector needs, and/or international needs.
- The proposal clearly outlines how the authors have assessed and evaluated the opportunities for future funding.
- The proposal sufficiently justifies how this proposal has potential to attain funds in the \$100M domain.

CRITERION 4: PROJECT BUDGET AND BUDGET REALISM (4 POINTS X 2 = TOTAL 8 POINTS)

Relevant proposal sections:

- Technical volume
- WSE budget volume
- APL budget volume

Indicate how well the proposal accomplishes the goal statements in this criterion.

(1) Underwhelming (2) Meets expectations (3) Above expectations (4) Exceptional

The score out of 4 points will be doubled to calculate the total score for Criterion 4: Project Budget and Budget Realism.

- The proposed budget is appropriate for what the authors propose to accomplish in 18-months.
- The proposed budget correlates with the expected effort for each of the contributors.

INNOVATION DEVELOPMENT CANVAS

The innovation development canvas (IDC) will *not* be reviewed by the reviewers, but it is a requirement of the submission package. Failure to submit a completed IDC for your project will result in an immediate disqualification.