Office of Naval Research (ONR) Young Investigator Program

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Outline

• Program Description and Requirements
• My Funding Story
• My Recommendations
ONR YIP (from the BAA)

• Seeks to identify and support academic scientists and engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointment
• who show exceptional promise for doing creative research
• The program's objectives are to attract outstanding faculty members of Institutions of Higher Education to the Department of Navy's research program, to support their research, and to encourage their teaching and research careers.
• Proposals may request up to $170,000 per year for three years.
Requirements

• made only to U.S. Institutions of Higher Education which award degrees in science, engineering and/or mathematics.

• must be a U.S. citizen, national or permanent resident (on the date proposals are due),

• holding a first- or second full-time tenure-track or tenure-track-equivalent faculty position at that university.
1. Evaluation Criteria –

Awards under this BAA will be made to proposers on the basis of the evaluation criteria listed below, and program balance to provide overall value to the Government. The Government reserves the right to request any additional, necessary documentation once it makes the award instrument determination. The Government reserves the right to remove proposers from award consideration should the parties fail to reach agreement on award terms, conditions, and cost/price within a reasonable time, or the proposer fails to timely provide requested additional information. Evaluations will be conducted using the following evaluation criteria. Criteria 1 through 3 are of equal importance.

1. Past performance and experience of the Principal Investigator, demonstrated by the significance and impact of previous research, publications, professional activities, awards and other recognition, etc.;
2. A creative research proposal, demonstrating the potential for making progress in an ONR research area; and
3. A long-term commitment by the University to the applicant and the research.

The ultimate recommendation for award of proposals is made by ONR's scientific/technical community. Recommended proposals will be forwarded to the ONR contracts department. Any
ONR has Codes

• They embody enduring themes and are:
  – Developed from naval needs
  – Sized for reasonable scale and magnitude
  – Linked directly to warfighting functions
• The focus areas are:
  – Assure Access to the Maritime Battlespace
  – Autonomy and Unmanned Systems
  – Expeditionary and Irregular Warfare
  – Information Dominance
  – Platform Design and Survivability
  – Power and Energy
  – Power Projection and Integrated Defense
  – Total Ownership Cost
  – Warfighter Performance
My Funding Story

• My Department Chair Encouraged Me to Apply
• Explored the BAA, Explored the ONR Website & Naval Applications
• Thought about my Research and what Fit with the Navy’s Interest
• Sent an Email to the Program Manager
• White Paper Discussion
• Submitted Official Proposal
• ONR proposals YIP committee decision
Design of Responsive Sea-Based Logistics Systems

Young Investigator Grant

- Explore the **design of logistics policies for sea-basing operations** and **evaluate the impact that imperfect visibility** has on performance measures.
- **Develop models and algorithms**
  - to quantify and evaluate logistic system design
  - to aid in analyzing the trade-offs associated with operating in a complex and uncertain environment.
Recommendation 1: Download the “Willful Intent Slides”
Recommendation 2: Write at least some for a general audience

- A separate YIP committee decides on who gets funded
  - My program manager didn’t have any input once the proposal was submitted.
  - From my understanding, the proposals go directly to the YIP committee and are not filtered or ranked first by the thrust area program managers.

- 2013 YIP Recipients Titles
  - Robotic Perception and Control
  - Nano Satellites
  - Stochastic Network Algorithms
  - Nonlinear Photonic Devices
  - Seabased Logistics Delivery Systems
Recommendation 3: Remember the Evaluation Criteria

1. Past performance and experience of the Principal Investigator, demonstrated by the significance and impact of previous research, publications, professional activities, awards and other recognition, etc.;
2. A creative research proposal, demonstrating the potential for making progress in an ONR research area; and
3. A long-term commitment by the University to the applicant and the research.

• In the Project Summary:
  – “The principal investigator, Dr. Jennifer A Pazour, has a long-term commitment by the University of Central Florida’s Industrial Engineering and Management Systems department to support her research endeavors (as detailed in the enclosed letter of support). She is qualified to conduct this research as she has been successful in research (as demonstrated by her publication record) and in professional activities (as demonstrated by being the recipient of numerous awards).”

• Letter of Support from the Chair also addressed 1 & 3
Recommendation 4: Understanding ONR’s Mission

• ONR deals with “Science and Technology” (S&T) or knowledge product based work
  – 6.1 is basic research and is phenomenology
  – 6.2 is applied research and is feasibility
  – 6.3 is advanced technology and is military utility
• Words “research” and “development” are not supported by ONR (R&D is 6.4 and beyond and not under ONR budget)
• ONR looks to inform direction, for example, because of this work we have validated that X is capable of doing Y.
• Transfer of Technology is a win for ONR program managers.
Recommendation 5: Hope for the Best & Check the Website

From the BAA “A list of proposals that are being recommended for an award will be posted on the ONR website at http://www.onr.navy.mil as soon as it is available, on or about 13 March 2013.”