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2020-03-08

## Menneken Awards Announcement, 2020

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Monterey, California, Naval Postgraduate School

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## **Menneken Award Announcement, 2020**

Dear Colleagues,

I am pleased to announce the winners of the 2020 Menneken Award. Thank you to the selection committee who made thoughtful recommendations on faculty members who should be given these prestigious awards for Highly Meritorious Research or a Significant and Sustained contribution. It is my honor to announce that the 2020 Menneken Award winners are as follows:

Highly Meritorious:

Research Associate Professor Dashi Singham and Associate Professor Mike Atkinson, Department of Operations Research

The recipients of the 2020 award are Research Associate Professor Dashi Singham and Associate Professor Michael Atkinson of the Operations Research Department. Their joint work over the past several years produced multiple new probability theorems based on Brownian bridges in support of intelligence models. The team's products have many defense applications: using information about the starting and ending points of a potential target, e.g., a smuggler, Brownian bridges model the uncertainty of the target's location between the known points. Recently the team has extended their statistical analyses in support of anomaly detection in large data sets, which promises to also provide critical support to defense applications in the age of big data. The work and activities of Professors Singham and Atkinson meet the criteria for the Menneken Award in exemplary fashion.

Significant and Sustained Contribution:

Research Professor Wieslaw Maslowski, Department of Oceanography

The recipient of the 2020 award is Research Professor Wieslaw Maslowski of the Department of Oceanography. For three decades he has leveraged state-of-the-art high-performance computing to advance Arctic science, modeling, and predictive capabilities. He has been the leader in the development of numerical models that predict Arctic ice extent, which have supported global climate change forecasts as well as Navy operational planning. His personal references include Vice President Al Gore for whom Dr. Maslowski provided climate consulting services and RADM Jon White, USN (ret) who worked with him on the Navy's Arctic Roadmap. Dr. Maslowski's research has been strongly supported over time by the Office Naval Research, the National Science Foundation, and the Department of Energy leading to 73 publications in premier scientific journals. The work and activities of Dr. Maslowski meet the criteria for the Menneken Award in exemplary fashion.

Professor Qing Wang, Department of Meteorology

The recipient of the 2020 award is Professor Qing Wang of the Department of Meteorology. She is an expert in the processes that dominate the lower atmosphere and air-sea interactions. These processes, in turn, influence or, sometimes, control the performance of critical systems in the Naval warfighting domain. Professor Wang has contributed directly to the Navy's ability to forecast performance of high energy laser systems based on the electro-optical propagation characteristics in the atmospheric boundary layer. She has accomplished this working with many Navy and Air Force students and leading a series of multi-institution field experiments. Her team, for example, actively supports the Navy's Solid-State Laser Technology Maturation Program through at-sea testing with

both shipboard and island-based measurements. The work and activities of Dr. Wang meet the criteria for the Menneken Award in exemplary fashion.

Dr. Scott Sigmund Gartner  
The Provost and Academic Dean  
The Naval Postgraduate School