

Twentieth ASME Freeman Scholar Program in Fluids Engineering

ASME announces the Twentieth Freeman Scholar Program, applications for which are due by September 1, 2009.

A person of high capability and considerable experience in an area of fluids engineering will be selected as the 2010 Freeman Scholar. The Freeman Scholar will be expected to make a major and comprehensive review of a coherent topic, prepare a broad statement of the state of the field, and suggest key research needs for the future. After suitable review of the work, the results will be presented publicly at the ASME Fluids Engineering Summer Meeting (FEDSM) and will be published in the ASME *Journal of Fluids Engineering (JFE)*. The recipient of the award may be from industry, government, education, or private professional practice. The recipient need not be a member of ASME, but needs to be an acknowledged, well-regarded expert in the proposed topic.

The honorarium for preparing the review, producing a complete manuscript in a form suitable for publication in the JFE and presenting the results at the ASME Fluids Engineering Division Summer Meeting in 2010 (FEDSM-2010) is \$7,500. There will be an additional allowance to cover the cost of travel and participation in the FEDSM-2010.

The 2010 Freeman Scholar shall be available, as far as personal commitments permit, for presentation of the lecture at sites of fluids engineering activity in industry, government, or education that so request. In each case, the inviting institution will be expected to bear all expenses and, if necessary, to provide a reasonable honorarium.

Applications for the 2010 Freeman Scholar must be submitted by September 1, 2009. The applicants must send one complete copy of the application to the ASME Committee on Honors (Three Park Avenue, New York, NY 10016-5990) to the attention of Fran McKivior, or electronically to mckiviorf@asme.org. The application shall include:

(1) The applicant's qualifications for undertaking a major study in the field selected.

- (2) A statement of the basis for believing that a summary of the state of the art on the proposed topic will make a significant and timely contribution to current or future real problems in fluids engineering practice.
- (3) A description of the ideas to be considered and some of the technology to be reviewed.
- (4) A minimum of three supporting letters from persons familiar and qualified with the applicant and the proposed review area.

For more information, previous Freeman Lecture articles may be found by searching the *Journal of Fluids Engineering*.

The following are the four most recent Freeman lectures:

2008 - *Is There an Asymptotic Effect of Initial and Upstream Conditions on Turbulence?*
William K. George

2008 - *Reynolds Number Dependence and Scaling of the Turbulent Boundary Layer*
Joseph C. Klewicki

2006 - *Swimming and Flying in Nature—The Route Toward Applications*
Promode R. Bandyopadhyay

2004 - *Sniffers: Fluid-Dynamic Sampling for Olfactory Trace Detection in Nature and Homeland Security*
Gary S. Settles

The Scholar will be designated by December 1, 2009 and the Freeman Scholar presentation will be made at the FEDSM-2010. The draft manuscript should not exceed 120 double-spaced manuscript pages, or 30 journal pages, without special permission. The final manuscript shall be due three months following the presentation to allow an opportunity to incorporate discussion during the FEDSM presentation.

STANDING COMMITTEE FOR FREEMAN SCHOLAR PROGRAM

Chair

Stathis Michaelides
Professor and Chair
Mechanical Engineering
University of Texas at San Antonio
San Antonio TX 78258

David E. Stock
School of Mechanical
Engineering & Material
Engineering
Washington State University
Pullman, WA 99164-2920

Timothy O'Hern
Sandia National Laboratory
Engineering Science Center
P.O. Box 8500, MS 0834
Albuquerque, NM 87185

THE FREEMAN SCHOLAR PROGRAM

The Freeman Scholar Program is supported by the ASME Freeman Fund established in 1926 by John R. Freeman, noted hydraulic engineer and scholar, honorary member and twenty-fourth president of ASME. Mr. Freeman suggested a flexible program for utilization of the funds. In early years, it supported fellowships for the study of hydraulic laboratory practice in Europe, later it supported publication of important hydraulic research data, and more recently it was granted to support research programs in hydraulics and fluid mechanics. The Freeman Scholar Program in fluids engineering represents a timely usage of the fund and is consistent with the intentions of the donor.