

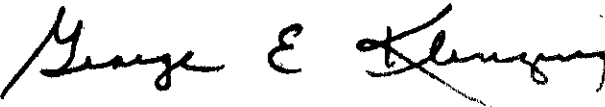


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FROM: George E. Klinzing 

DATE: September 23, 2010

SUBJECT: NSF - *Nanoelectronics for 2020 and Beyond (NEB)*

Program guidelines for the *Nanoelectronics for 2020 and Beyond (NEB)* are available at <http://www.nsf.gov/pubs/2010/nsf10614/nsf10614.htm>. For more information connect to http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503577 Please distribute, as appropriate.

This new program is intended to support proposals by interdisciplinary teams of investigators committed to exploring innovative research concepts in nanoelectronics involving fundamental challenges from novel materials, chemistry, and logic devices, to circuit designs and systems architectures, algorithms, and perhaps entirely new paradigms of computation, sensing and processing of information.

Proposals may also address additional challenges arising from increasing functionality through heterogeneous integration of novel devices and technologies. Proposals should discuss effective ways in which education of the workforce and broadening participation are integrated within the proposed research activities. Proposals must involve interdisciplinary collaborations by **three or more investigators** and address aspects of at least two of the research themes: *1) Exploring New Chemistries and Materials for Nanoelectronics 2. Exploring Alternative State Variables and Heterogeneous Integration for Nanoelectronic Devices and Systems 3. Exploring Novel Paradigms of Computing*

An individual may be listed on only one proposal as PI, co-PI, or senior personnel. An academic institution may submit no more than **two** proposals on which it is the **lead** organization in response to this solicitation. The same organization may be a collaborative partner in any number of other multi-organization group proposals in which it is not the lead. A proposal involving more than one organization must be submitted as a single administrative package with the managing principal investigator from the lead organization.

Because of the limit placed on the number of applications and to also allow enough time for the internal review process and preparation of a full application by the selected researcher, faculty interested in submitting a proposal should send to Elaine Riberich** by **November 8, 2010** an abstract of the proposed project.

NSF's full proposal deadline is **January 19, 2011**. Please review deadline submission information at the Office of Research website under *Electronic Research Administration Agency eRA Systems* <http://www.pitt.edu/~offres/eralinks.html>.

For a list of additional *Programs Limiting the Number of Allowed Institutional Submissions* connect to the Office of Research home page <http://www.pitt.edu/~offres/> then select *Funding Resources*.

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