

AERTC Jump Start Initiatives: Seed Grant 2008

The mission of the new Advanced Energy Research and Technology Center is to forge interdisciplinary partnerships for the advancement of energy research and engineering with emphasis, but not limited to the following areas which impact the energy field; (a) hydrogen fuels (b) fuel cells (c) renewable sources (d) optimization of traditional fuels (e) CO₂ sequestration (f) environmental impact (g) nanotechnologies; i.e. nanocomposite materials, catalysis, ultra low power electronics (h) biofuels (i) combustion (k) power distribution (l) energy policy, planning, education or outreach. In order to jump start the research effort within the AERTC, we are soliciting collaborative proposals in these areas which will form the basis for future long term, sustainable, research efforts.

Grants, up to \$50,000 per year, for a maximum period of two years will be awarded to proposals selected by a panel of AERTC members. Proposals should be of an interdisciplinary nature with principal investigators from two or more different departments, disciplines, or institutions.

The criteria for selection will be primarily the originality of the research, relevance to the mission of AERTC, potential for growth and ability to attract future federal or private funding. Emphasis will also be placed on the organization, teamwork, and collaboration record among the PIs, the involvement of students, industry, and other outreach efforts.

Proposal Format:

Proposals must be submitted electronically as a *single pdf file* and include the following items:

1. 2008 AERTC Seed Grant Initiative Cover Sheet which includes:
 - (a) Lead institution and project director.
 - (b) Names and affiliations for a maximum of four principal co-investigators.
2. Title of the proposed research and two hundred word abstract.
3. Narrative (Single spaced, one inch margins, at least 12 point fonts) which includes the following;
 - Summary of past and present funded research effort on energy related activities (1 page)
 - Credential of the project director and principal co-investigators, contributions to the research efforts and project organization (1 page). Discuss participation of post doc and /or students.

- Proposal narrative, describing innovation, relevance to AERTC research mission, research plan, timeline, strategy for future growth and sustained funding (5 pages, including charts and figures).
- Relevant literature and citations (1 page, 10 point font)

3. CV (NSF one page format)of director and co- PI's

4. Current and pending support of the director and co- PI

5. Budget for the project for each year listed separately (maximum two). The budget may include salaries for students, post-doctoral associates, summer salary for the director and co-PI, supplies, travel, and equipment. Fringe benefits should be included, but no administrative overhead.

Please list clearly any matching funding from other sources or leverage of equipment, facilities or personnel from other grants.

6. Budget justification (max. one page).

NOTES:

1. All proposals should be submitted **electronically, via e-mail**, in PDF format to:

Jane.Kearney@stonybrook.edu

2. Only one proposal per faculty member per grant cycle is permitted.

3. Deadline for submission of proposals for the first cycle:

5 PM EST Nov. 15, 2007

4. Decisions: All applicants will be notified no later than **January 15, 2008** of the panel recommendations regarding their proposals.

5. For further information, please contact Ms. Jane Kearny, 631-632-8380.