MIT.nano Seed Fund - Call for grant proposals for SENSE.nano

August 15, 2019 - MIT.nano is calling for proposals from MIT principal investigators. The call seeks innovative projects that have the potential to advance the mission of SENSE.nano.

SENSE.nano - The first Center of Excellence powered by MIT.nano – focuses on novel sensors, sensing systems, and sensing solutions that provide previously unimaginable insight into the condition of our world.

The SENSE.nano 2019 symposium will highlight the needs, innovations, and impact of SENSE technologies in "Enhanced Realities" and "Advanced Manufacturing" systems. SENSE technologies include sensors, instrumentation, remote monitoring, data analysis, and related solutions and systems.

Interested investigators are encouraged to submit proposals in the following broad categories:

1. **Research projects in application areas of sensors, sensor systems, sensor science and engineering, sensor manufacturing, novel instrumentation, data analysis, including, but not limited to**:
   - Manufacturing: machines, factory, supply chains (2019 focus area)
   - Virtual and Augmented Environments (2019 focus area)
   - Natural Environment: forests, ice caps, water, air
   - Built Environment: infrastructure, buildings, manufacturing facilities
   - Agriculture: soil, irrigation, livestock
   - Machines: condition, imaging, autonomous vehicles, robotics, manufacturing
   - Animal / Human: diagnostics, healthcare, monitoring wellness, imaging
   - Ecosystem: air / gas sensing, water, food, energy

2. **Research projects in enabler technologies for sensors, sensor systems, including, but not limited to**:
   - Backbone technologies
   - Manufacturing technologies
   - Design and usability
   - Data science
   - Regulation and policy
   - Fusion of data
   - Pattern recognition

3. **Projects to promote engagement and collaboration on topics and activities that may impact SENSE.nano**, such as developing a course, teaching a course, student exchange, event organization (e.g., a hackathon or other application type activity), etc.

The Seed Program encourages proposals that involve collaborative research across MIT or with companies likely to engage with SENSE.nano, and that have potential for sustainability beyond the grant period.
How to Apply

The deadline to submit proposals is September 20, 2019. The grant period will be for one year. Applicants will be informed of the results by the end of October 2019. Funds will be available for use by January 1, 2020 through December 31, 2020.

Applications must include a project proposal and a project budget. For both the project proposal and the project budget, please use the templates provided:

https://www.dropbox.com/s/gr29jjipnhr7f50/SENSEnano_seed_proposal_template2019_rev1.docx?dl=0
https://www.dropbox.com/s/o3kslp2jcni5cqe/SENSEnano_seed_budget_template2019_rev1.xlsx?dl=0

Please submit the project proposal and project budget via email to sense.nano.seed@mit.edu. Any proposal or budget related questions can be raised via this email as well.

At the end of the grant period, grantees will be required to submit a brief report to the MIT.nano office highlighting the accomplishments and results of the project, the project’s impact on MIT, the definitions of Grand Challenges within SENSE.nano, publications by the project, if any, as well as a final budget. The report need only be 2–4 pages in length, and may be used in whole or in part in materials submitted to industry partners, as well as on the MIT.nano or SENSE.nano websites.