***KUST & MIT***

***Flagship Research Projects***

***4th Call for Proposals – Summer 2017***

***Full Proposal Instructions and Template:***

* DO NOT EXCEED 20 PAGES with figures and graphics integrated into the text (references, letters of support, and bios should be included, but do not count toward the 20 pages). Please do not change the font or margins. Please minimize file size and the resolution of the graphics for the convenience of our reviewers.
* IMPORTANT: PLEASE USE THIS FORMAT TO NAME YOUR FILE AND SAVE AS .pdf:Flagship\_PILastName\_FullProposal\_Summer2017.pdf

* Full proposal must be submitted by **Monday, 11 September 2017** (5:00 PM EDT).

TO SUBMIT YOUR PROPOSAL:The cover sheet, proposal and appendices need to be submitted electronically on the due date to Peter Jones (prjones@mit.edu) and John Radkowski (jradkowski@masdar.ac.ae), including a copy to Dr. Duane Boning (boning@mtl.mit.edu), Patricia Vargas (pvargas@mit.edu) and OSRpreaward@pi.ac.ae .

* The Lead Principal Investigator will receive an email from the MIT & MI Cooperative Program confirming receipt of the proposal. If you do not receive this confirmation email within 48hrs of submission, please submit a follow-up enquiry to prjones@MIT.EDU and OSRpreaward@pi.ac.ae .

*NOTE: THIS FULL PROPOSAL WILL BE REVIEWED IN CONFIDENCE BY THE RESEARCH ADVISORY COMMITTEE. SUBMITTING A PROPOSAL DOES NOT CONSTITUTE A PUBLIC DISCLOSURE.*

Khalifa University of Science and Technology (KUST) and MIT
Flagship Research Projects

Full Proposal Cover Page – 4th Call Summer 2017

Project Title: [Project Title]

Proposal ID: [PI Last name]

Submitter information (PI from KUST or MIT):

Name:

Title:

Email:

Phone:

Address:

Assistant Email:

Total funds requested

MIT: $600,000 per year for three years

KUST: $480,000 per year for three years

Proposed term of funding: 36 Months

### KUST Investigator Data

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | First Name | **Last Name** | **Institution, Department, Lab** | **email** | **Number of Students** | **Number of Postdocs** | **Number of Other Research Staff** |
| PI | [Name] |       |       |       |       |       |       |
| Co-I 1 |       |       |       |       |       |       |       |
| Co-I 2 |       |       |       |       |       |       |       |
| Co-I 3 |       |       |       |       |       |       |       |

### MIT Investigator Data

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | First Name | **Last Name** | **Institution, Department, Lab\*** | **email** | **Number of Students** | **Number of Postdocs** | **Number of Other Research Staff** |
| PI | [Name] |       |       |       |       |       |       |
| Co-I 1 |       |       |       |       |       |       |       |
| Co-I 2 |       |       |       |       |       |       |       |
| Co-I 3 |       |       |       |       |       |       |       |

 *\*Department / division / lab / center managing grant*

Full Proposal – Flagship Research Project – 4th Call Summer 2017

[Project Name]

*Please do not exceed 20 pages including figures and graphics, but not including bios and references.*

# Executive Summary

Provide a brief overview of the proposed Flagship Research Project.

## Objectives and Scope of Work

Statement of objectives and scope of work, including discussion of novelty, potential for significant results within said time frame, the utility of the anticipated project results, and the potential application of the experience gained at the two participating institutions.

## Relevance to Abu Dhabi and the Region

Description of how the research focus and outcomes contribute to the social and economic goals of Abu Dhabi and the UAE. The work should particularly have a significant and well-identified impact in the focused area of space technology.

## Review of Prior Work in the Area by the Project Team

This short section is to review the expertise and background of your team to convince the reviewers that your team is capable of doing the work proposed. Describe what methods or approaches your team has and can apply, and specify that portion of your team’s expertise and previous accomplishments that make your team uniquely capable of doing the work described in the proposal.

## Approach

Description of the methodologies and analytic techniques to be employed including discussion of the novelty of the proposed research or methodologies with reference to the current state-of-the-art.

## Project Tasks

Description of project tasks including work schedule, milestones, deliverables, benchmarks for measuring success, publication plans, task leadership, and individual responsibilities. A Gantt chart should be included. Potential risks and response plans should also be identified, including implications of possible export restrictions with appropriate mitigation and contingency plans.

## Team Collaboration

Description of how the team will organize and mechanisms to ensure effective collaboration, including potential for student or staff exchanges, and plans for joint research publications from the research work being undertaken.

## Facilities and Equipment

Identify needed facilities and equipment. Include analysis and availability of facilities, equipment, and other resources (both new and existing) required for the research to be conducted.

## Future Research Funding Potential

Description of planned activities to foster development of future follow-on research, with clear identification of potential external public or private sources of funding. Letters of support, if any, from appropriate entities may be attached.

## References

## Biographies

Provide concise biographies for all primary and co-investigators, not exceeding 1 page for each individual.

## Proposed Budget [as separate documents]

Project budgets for expenditures (one from the MIT Principal Investigator that includes the budgets of the MIT Co-PIs to be approved and funded, and one from the Principal Investigator at KUST that also includes any KUST Co-PI budgets). A description and cost for any seminars and workshops, if any, to be conducted in connection with the research should be included within the requested budget. Anticipated international and local travel should be included.

Respective MIT and KUST research budgets should be sent as separate pdf documents as follows:

MIT project budgets should only be forwarded to Paul Arsenault, Administrative/Financial Officer of the MI&MIT Cooperative Program at pjarsen@mit.edu, with a copy to Patricia Vargas, Executive Director at pvargas@mit.edu. Please contact Paul Arsenault on the MIT side regarding assistance in developing your MIT budgets.

KUST project budgets should only be forwarded to John Radkowski (jradkowski@masdar.ac.ae)

Please contact John Radkowski for assistance in preparing KUST project budgets.