Resource Pool Projects

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THE COMPOSITES iacmi INSTITUTE

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Resource Pool Projects

Precompetitive, technical projects proposed by IACMI member(s) or working groups and co-funded through the IACMI Consortium Resource Pool

Work that advances, utilizes, or demonstrates emerging technologies that have potential to attract higher levels of follow-on funding

- Project partners must become a member of IACMI
- Technical project outcomes shared with IACMI membership to foster further development & commercialization
- The IACMI Consortium Council will review and recommend proposals for funding.

Format of Project Funding Request

Project Funding Requests will include:

- Brief description of project work and deliverables
- Discussion on how it addresses issues in markets served by IACMI
- Rough order magnitude budget (including cost share)
- Timeline for the work to be completed.
- Participating team members
- Other advantages to the IACMI Consortium.

IACMI Project Funding Request

It is strongly recommended for proposers to work with an IACMI core partner(s) to formulate a project idea. Upon completion, please submit this Funding Request to the IACMI Consortium Executive Director to initiate the review process.

Date:

Project Title:

Project Partner Lead Organization:

POC Name:

E-mail:

Phone:

Core IACMI R&D Partner(s)

POC Name:

E-mail:

Phone:

Additional Project Partners:

Project Summary (2-3 paragraphs):

Provide a short summary of the project (i.e., problem to be solved, need for a solution, market opportunity that will be addressed).

Please answer the following questions (1-2 pages total):

Which IACMI goals does this project idea support (cost, energy, recycling, new materials)? *(i.e., What is the project trying to achieve?)*

What is the specific scientific/technical challenge limiting the idea from working now (i.e., *What is the problem—why can't we do it today*)?

What is the technical approach to solve the challenge (i.e., *How are we going to overcome or fix the problem identified*)?

What is new or innovative about this project idea (i.e., *How is it different than what has been done before*)?

***Expected Duration: (months):**

***Rough Order Magnitude Budget Summary (this is not a formal budget):**

Please put relevant information in a table as in example below showing:

- IACMI Resource Pool Funding requested and amount going to each partner
- Industry Cash (per partner)
- Industry Cost Share (per partner)

Example Table for showing funding distribution:

	Cash	In-Kind	Total
Project Partner	$	$	$
Project Partner	$	$	$
Project Partner	$	$	$
*IACMI Resource Pool funding *($ for <Partner 1>, $ for <Partner 2>, etc.)*	$	----------	$
Total	**$**	**$**	**$**

Initial review of the Proposal will include the IACMI Executive Director and Chief Technology Officer. An additional review by the IACMI Consortium Council will be required if requesting Resource Pool funds ≥ $15,000.

*The Expected Duration and Rough Order Magnitude Budget Summary are not formal declarations, but rather estimates to give the project some general boundaries during the review of this Proposal.

Project Funding Progress

First RFP went out to IACMI membership on May 15, 2022 (RFP issued quarterly)

To date there have been **10** unique Project Funding Requests with FIVE projects funded:

- **Fire Resistance (FR) Testing of Trimer Resin for Infrastructure & Construction Applications** *(Orenco Composites, Trimer Technologies, LLC, UDRI)*
- **Lattice IsoTruss Structures for Wind Turbine Towers** *(IsoTruss Inc., University of Tennessee, TPI)*
- **Overcoming Challenges to Pitch-Based Carbon Fiber Composite Fabrication for Mass Scale Production** *(ExxonMobil, University of Tennessee, Michigan State University)*
- ***NATCOM - Natural-Fiber Thermoplastic Composite Manufacturing** (Norplex-Micarta, Arkema, Western Washington University)
- ***Data-driven Model for Predicting the Lifetime of Fiber-Reinforced Polymer (FRP) Composite Structural Components in Bridges** *(University of Maine, Advanced Infrastructure Technologies-AIT, Maine DOT)*