



Manufacturing PA Innovation Program

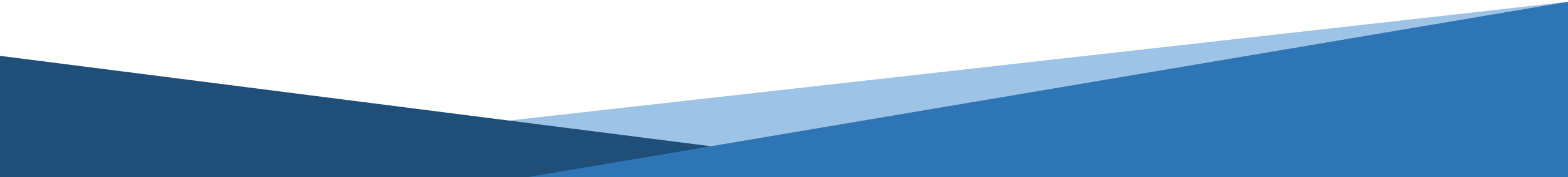
Jan. 2019

Management & Funding

- Funded by the PA Department of Community & Economic Development Program
- Managed by Carnegie Mellon
- \$2 million for FY18 and \$2 million for FY19



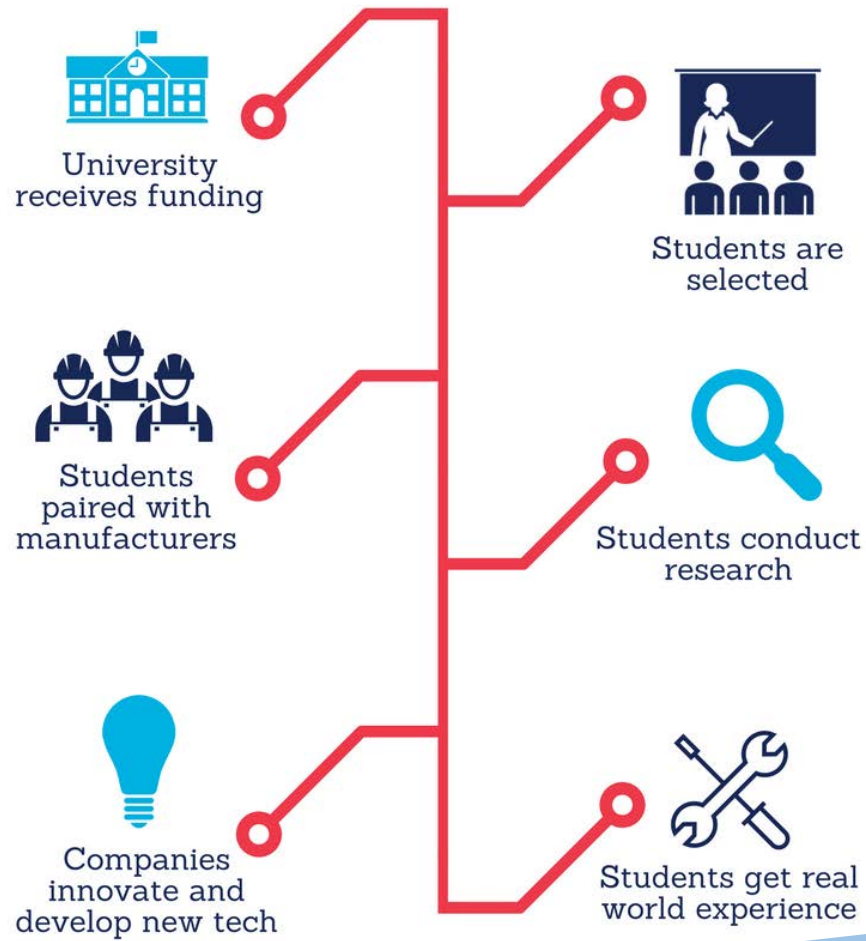
Program Goals

- Focus the science and engineering capabilities of PA's world-class research universities on real-world manufacturing solutions for PA.
 - Create a program that is PA manufacturing company-driven to enable projects that will promote innovation in PA's manufacturing job creators.
 - Create an environment linking PA companies with students to interest and retain highly-educated students in the field of manufacturing.
 - Provide PA companies with a competitive technology edge by introducing them to researchers and universities with equipment and skill sets.
 - Provide assistance to PA companies in identifying faculty experts and students.
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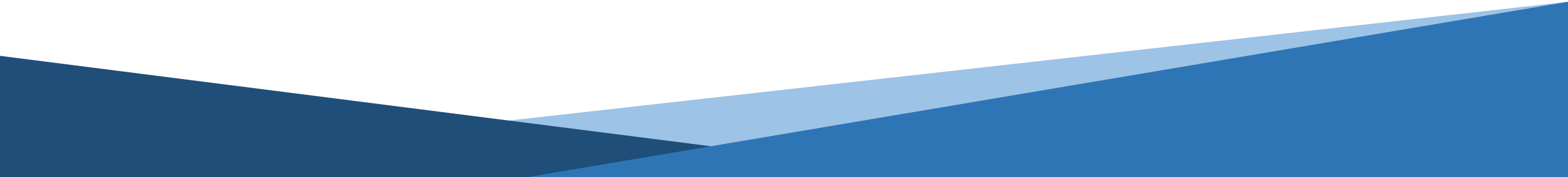
GOVERNOR WOLF LAUNCHES

MANUFACTURING PA

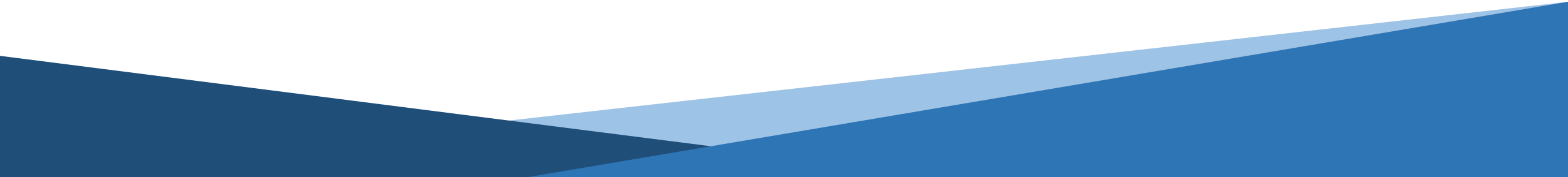
FELLOWSHIP



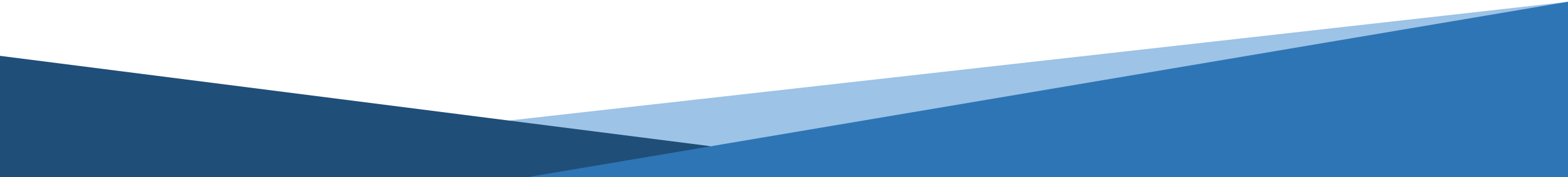
Project Requirements

- Faculty serve as project PI
 - Project must involve a manufacturing company
 - Project focuses on a new product or process innovation
 - PMFI funding used primarily to support graduate or undergraduate student effort in the project
 - 1-1 Leverage Required
 - \$70,000 Maximum
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Match Requirements

- Project partners contributes through either
 - Direct Financial Support
 - In-kind Support (material donation, equipment usage, staff time/technical guidance, etc.)
 - Application must quantify and describe leverage in company letter of support
 - University leverage may also be included in budget form
 - May include under-recovered indirect costs
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Budget Categories

- Student Fellow
 - Research-related expenses (Materials/Supplies/Non-Cap Equip or Software)
 - Travel
 - 10% Indirect Cost Rate
 - Faculty Salary NOT Allowed
 - Industry Expenses NOT Allowed
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How to Submit A Proposal



Manufacturing PA Innovation Program

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Proposals

DCED is now soliciting proposals from faculty Principal Investigators (PI) for projects that fit within the PMFI mission and [program guidelines](#). Proposals must include a collaboration with an industry partner. Please note that companies may serve as project collaborators, but they may not receive state funding. Any company that would like to partner with a university on a project, but has not yet identified a faculty member, should complete an [inquiry form](#). The information will be used to identify potential faculty collaborators for the company to consider.

Detailed information about the project requirements, review criteria, proposal template, budget request, and award management is included in the proposal guidelines. The application period closed on June 12. Faculty may submit proposals by using the link below. The proposal form requires the submission of the Technical Proposal Template (template may be downloaded below) along with a proposed budget, budget justification, industry letter(s) of support and University statement of intent.

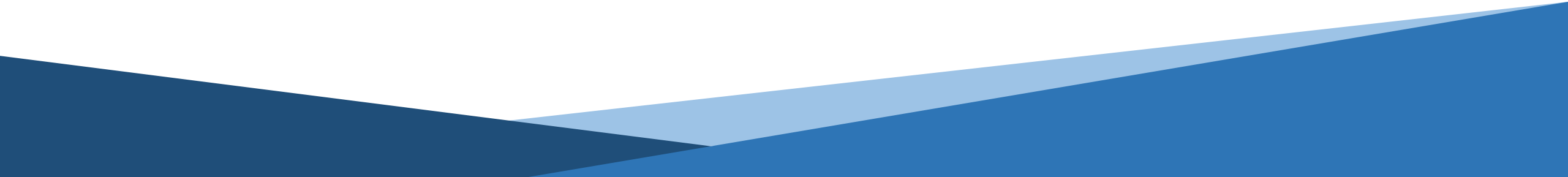
Proposal Information

- [Technical Proposal Template](#)
- [Proposal Guidelines](#)

Proposal Review Criteria

- Active Participation of Manufacturers and Impact on PA
 - Active Participation of Graduate/Undergraduate Fellows
 - Technical Approach
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- The bottom of the slide features a decorative graphic consisting of several overlapping, semi-transparent blue shapes. These shapes form a series of peaks and valleys, creating a modern, abstract landscape-like effect. The colors range from a deep navy blue to a lighter, sky-blue hue.

Program Timeline

- Proposal Period: Dec. 2018 – Mar. 8, 2019
 - Technical and Business Case Reviews: Mar. – Apr. 2019
 - Award Notifications: Apr. 2019
 - Projects Period of Performance: Aug 1, 2019 – July 31, 2020
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How to Get Involved

- Match Faculty on Company-Initiated Projects
 - Identify Reviewers
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- The bottom of the slide features a decorative graphic consisting of several overlapping, semi-transparent blue shapes. These shapes form a series of peaks and valleys, creating a modern, abstract landscape-like effect. The colors range from a deep navy blue to a lighter, sky-blue hue.

Company Initiated Projects

ManufacturingPA.org Website

- **Work with PA Manufacturing Fellows Initiative**

The PA Manufacturing Fellows Initiative (PMFI) is always looking for new partners. Partnership with PMFI could provide your organization with early access to research, collaborative research projects, recruiting opportunities, event and research branding opportunities, and much more. If you have an idea for a project or would like more information about the program, please complete the [inquiry form](#). Your project idea will be circulated to PA's seven engineering research institutions to identify potential faculty collaborators for your company to consider.

- **Inquiry Form**

- Topic
- Short Company Overview
- Project idea, question or technical challenge to be solved

Faculty Response



Description

Primary Investigator:

- Project team:
- Opportunity / Need:
- Value Proposition:
- Proposed Concept:

Current Status:

- Background:
- Facilities:

Risks / Unknowns

- Technical:
- Commercial:
- Scale-up, validation:
- Experimental, computational:

Project Plan:

- Goals of the project:
- Length of research:
- Collaborations:
- Other findings:
- Operational expense:

Thank You

The bottom of the slide features three overlapping triangular shapes in shades of blue. On the left, a dark blue triangle points downwards. In the center, a light blue triangle points upwards. On the right, a medium blue triangle points upwards, overlapping the other two.