**INSTRUCTIONS FOR PREPARING A CORE PRE-PROPOSAL**

1. The proposal must be submitted in PDF format.

Note: It is mandatory that we complete all sections.

1. Name the proposal as shown below:

* Principal PI’s surname - Title – for example: Yarin - Modeling Meltblowing.pdf

1. The Core projects are basic and fundamental in nature. While we must highlight the relevance and the importance of the topic to the grand challenges and the needs of the industry and the society, the focus should be on fundamental research that advances know-how and creates knowledge, or the discipline.

**The knowledge creation must be truly focused on knowledge creation**. In a shared environment of many diverse sets of interests, we must focus on basic and fundamental (yet relevant) research that is focused on identifying solutions to specific knowledge gaps.

1. Core projects are not about creating IP.
2. If you have pre-exiting IP, that automatically disqualifies the proposal. The reason is that IP is normally generated when the research is quite advanced in its technology readiness level and proof of concept has already been made.
3. The research proposed cannot overlap other active or pending projects, or be similar in nature, unless approved by the Executive Committee.
4. Co-mingling of funds is not allowed. For example, the same project cannot be support by NWI as well as another source. The reasons are:

* Confidentiality – All core projects are considered confidential unless approved for public disclosure as set forth in NWI’s bylaws
* Obligations as set forth in the NWI bylaws would clash with obligations set by the other sponsor

The only exception may be that one uses discretionary funds or gifts that have no obligations.

1. All students at NC State must complete a Graduate Certificate in Nonwovens. It is recommended that students outside of NC State attend at least one or more of NWI’s short courses.

**Proposal Number – Assigned by NWI**

**Title of proposed project**

**Principal Investigators: Name of PIs and institution affiliations**

**1 - Summary – Limited to one page**

Provide a brief – 250 words – summary of the project, its objectives and its outcome

Specific objectives of this proposal are:

List specific objectives for the proposed project – this can be the same as the one provided for Part A, but can be more elaborate if you so choose.

2 – Literature Review Summary (Scientific Literature) **– Limited to one page**

This needs to be a comprehensive review of the literature, identifying gaps that will be addressed by the proposed study

3 – Prior Art Search (Patent literature) **– Limited to one page**

This needs to be a preview of the prior art – in particular, any background IP that the PIs know of that might be relevant for the proposed work.

Please note that these core project are pre-competitive and therefore, must not be focused on developing a product. While it is important to articulate the relevance of the proposed work with respect to specific products or targets, the goal must be to focus on fundamental science and creation of new knowledge that may become enablers for future products.

**Product development projects will be disqualified**

**4 – Proposed Study – Limited to three page**

This is the body of the proposal and must provide an overview of the approaches proposed and outcomes anticipated.

This section should clearly describe methods, materials as related to the goals and objectives of the research – the PI(s) should ensure that they have assembled a team that can tackle the proposed research.

**5 – Milestones & Deliverables – Limited to one page**

List specific deliverables anticipated and milestones for each year

**1st Year:**

**2nd Year:**

**3rd Year:**

References:

List all references fully including any and all literature and patents identified.

**Budget for Core Projects**

**Project Duration: 3 Years Max**

**Projects are initiated in August and conclude by July 1 in 3rd year.**

**Annual Budget: $50,000 per year, for 3 years. Total not to exceed $150,000 for 3 years. To be awarded incrementally.**

Budget must be used for the direct benefit of the core project and NWI allows for flexibility to spend as needed for the following line items:

* Appointment of only 1 grad student dedicated to the project that will cover stipend, health insurance and tuition;
* PI Salaries (summer and academic release), supplies, foreign and domestic travel, current services (which include Lab services that are external to NWI).

If budget items outside of the above categories are required, prior approval from NWI will be required prior to re-budgeting.

Budget must be provided with PINS record (for NC State projects).

\*NWI will cover work performed in NWI labs not to exceed $25k per year, for 3 years.