**ATI Advanced Manufacturing Challenge - Submission Form**

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| --- | --- |
|   | **Contact Information** |
| **First name:** |  |
| **Last name:** |  |
| **Organization:** |  |
| **Job title:** |  |
| **Address:** |  |
| **City:** |  |
| **State:** |  |
| **ZIP:** |  |
| **Country:** |  |
| **Phone:** |  |
| **Cell phone:** |  |
| **E-mail:** |  |
|   | Note: In addition to the contact information, the following information may be made available to conference attendees if organization is invited to participate in program. **Please do not include any confidential or proprietary information in your submission details.** |
|   | **Organization Information** |
| **Company or Organization:** |  |
| Website URL: |  |
| **Organization size:** | [ ] 1 - 19[ ] 20 - 99[ ] 100 - 499[ ] 500 - 2499[ ] 2500 or more |
|  |  |
|   | **Technology/Project Details** |
|   | List as you want printed in the program. |
| **Technology/Project Title:**  |  |
| **Brief Description of Tech/Project in layman’s terms:** |  |
|  | 50 words max. |
| **Technology Development Status:** | [ ] Concept[ ] Prototype[ ] Proven Manufacturability[ ] Ready to Market[ ] Commercial Product |
| **Organization Type:** | [ ] Academic/Gov Lab[ ] Early-stage Startup (Seed)[ ] Mid-stage Startup (A or B)[ ] Commercial Startup (C+)[ ] Small to Medium Enterprise[ ] Corporation |
| **Primary Focus Area:** | [ ] Fleet Fabrication/Sustainment[ ] Advanced/Novel Materials[ ] Additive Manufacturing[ ] Autonomous Vehicle Production[ ] Hypersonic Fabrication[ ] Energetics/Propellants Production[ ] Lasers/Component Manufacturing |
| **Secondary Focus Areas:**(select all that apply) | [ ] Fleet Fabrication/Sustainment[ ] Advanced/Novel Materials[ ] Additive Manufacturing[ ] Autonomous Vehicle Production[ ] Hypersonic Fabrication[ ] Energetics/Propellants Production[ ] Lasers/Component Manufacturing[ ] Other |
| Other: |  |
|  | (if you selected Other above) |
| Technology Readiness Number**:**(if known) | [ ] TRL 1[ ] TRL 2[ ] TRL 3[ ] TRL 4[ ] TRL 5[ ] TRL 6[ ] TRL 7[ ] TRL 8[ ] TRL 9 |
|  | TRL numbers are defined here: https://www.nasa.gov/pdf/458490main\_TRL\_Definitions.pdf |
| **Specific Technology:** | [ ] Robotics [ ] IT/Digital/Virtual/Augmented Reality[ ] Artificial Intelligence (AI) & Machine Learning (ML)[ ] Advanced Manufacturing Technologies[ ] Shipbuilder Enhancement[ ] Materials[ ] Other (write in) |
| **Other technology keywords** | (write in) |
| **What is the Problem?:** |  |
|  | Provide a short description of the material, operational, and manufacturing deficiencies for the focus area and/or Navy platform being addressed. Identify key technical and manufacturing barriers to success that directly address the problem. 200 words max. |
| **What is the Objective?:** |  |
|  | Enter a concise statement that describes the purpose that will be achieved by advancing the solution addressed. This statement should briefly describe the project in terms of establishing improved manufacturing processes, methods, or equipment for the production of defense material. Be as concise as possible. 200 words max. |
| **What is the Approach?:** |  |
|  | A short description of how the technology solution proposed for advancement overcomes those barriers and provides the needed capability. Describe in summary level fashion the technical approach. 200 words max. |
| **Benefits & Value Proposition:** |  |
|  | Why should your solution/proposal be considered for support? What are the benefits? Are those benefits quantifiable? (faster/lighter/stronger/cheaper/efficient, etc.) 200 words max. |
| **Awards/Contracts/Funding?:** |  |
|  | Has your Tech/Project received/leveraged any Government or Private Funding/Contracts/Awards to-date. Provide a description of programs and projects from other services or agencies (SBIR, International, Joint, OGAs, etc.) that relate to this ManTech submission. Describe collaboration with other community organizations involved in or resulting from this effort? 50 words max. |
| **Teaming Partners:** |  |
|  | Does your Technology/Project need a Teaming Partner(s)? If so, have any Teaming Partners been identified? 200 words max. |
| Cost Estimate: |  |
|  | Provide Rough Order of Magnitude (ROM) cost estimate. If possible include planned expenditure(s) by fiscal year. 200 words max. |
| Schedule: |  |
|  | Provide an anticipated period of performance requirement for the overall effort and each individual phase (i.e. 24 months; Phase 1 @ 9 months; Phase 2 @ 15 months). 200 words max. |
| **Are you a “Non-traditional Defense Contractor”?\*** | [ ] Non-traditional\*[ ] Traditional |
|  | \*A non-traditional defense contractor means an entity that is not currently performing and has not performed, for at least the one-year period prior to the date of this application, any contract or subcontract for the Department of Defense that is subject to full coverage under the cost accounting standards prescribed pursuant to section 1502 of title 41 and the regulations implementing such section. |
| **Interested in joining the National Technology Alliance at no cost?** | [ ] Yes[ ] No |
|  | **NAVY MANTECH SUPPLEMENTAL QUESTIONS**If you have previously experience or engagement with the Navy, and are able to answer the following, please fill out the supplemental fields below. All responses will be provided to Navy leadership for review and engagement consideration, so we highly encourage you to complete the additional fields to the best of your ability*. (if you are not able to answer these questions, please skip to the end of the submission form).* |
| **Primary Navy Platform (click all that apply)** | **Primary Navy Platform** [ ] VIRGINIA Class Submarine (VCS)[ ] COLUMBIA Class Submarine (CLB)[ ] ARLIEGH BURKE Class Destroyer (DDG)[ ] FORD Class Aircraft Carrier (CVN)[ ] CONSTILLATION Class Frigate (FFG)[ ] Joint Strike Fighter (JSF/F-35)[ ] Accelerated Capability focused project[ ] Other |
| Center(s) of Excellence | [ ] **Center for Naval Metal Working (CNM)** - CNM conducts projects that focus on metals and advanced metallic materials, metal-based composites, metal materials manufacturing processes (e.g., additive manufacturing) and joining techniques, coupled with process design control and advanced metrology and inspection technologies.[ ] **Composites Manufacturing Technology Center (CMTC)** - The CMTC program develops improved manufacturing processes for composite and non-metallic based components, coatings, and associated materials and processes.[ ] **Naval Shipbuilding and Advanced Manufacturing (NSAM) Center** - NSAM focuses on projects that investigate using modern planning systems, automated fabrication technologies, supply chain improvements, streamlined unit / module flow to and within storage and construction areas, wireless data management applications, using 3D models to support production, and developing improved scheduling systems for new, aggressive build strategies. |
|  | Descriptions of the Centers of Excellence (COE) that are managed by Advanced Technology International (ATI) are outlined in Attachment A: ManTech Overview. Select the most appropriate COE applicable to white paper submission. |
| Additional Information |  |
|  | any additional relevant information you would like to provide 200 words max. |