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| **Instructions** **Part 1: Personal information**Please fill out this section with your demographic information as requested by the National Science Foundation (NSF). If persons other than the primary contact/principal investigator (e.g., students or postdocs) will be travelling to our facilities or working in conjunction with NanoEarth, include them under “Other Participants”. |

 **Part 1: Personal Information**

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| **Primary Contact:** |  | **Institution:** |  |
| **Position:** |  | **Department:** |  |
| **Email:** |  | **Gender:** |  |
| **Address and phone number:** |  |
| **Race:** | [ ] Native American or Alaskan Native[ ] Asian[ ] Black or African American[ ] Native Hawaiian or Other Pacific Islander[ ] White | **Ethnicity:** | [ ] Hispanic or Latino[ ] Not Hispanic or Latino[ ] Do not wish to provide |

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| **Type of Institution** | **Discipline** |
| [ ] Virginia Tech[ ] 4 Year College[ ] 2 Year College[ ] Other University[ ] Pre-College | [ ] Small Company[ ] Large Company[ ] State and Federal Government[ ] Foreign | [ ] Geology/Earth [ ] Chemistry[ ] Electronics[ ] Educational Lab Use[ ] Life Sciences[ ] Materials | [ ] Medicine[ ] MEMS/Mechanical Eng.[ ] Optics[ ] Physics[ ] Process[ ] Other Research |

**Other Participants:**

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| --- | --- | --- | --- |
| **Name:** |  | **Position:** |  |
| **Email:** |  | **Gender:** |  |
| **Race:** | [ ] Native American or Alaskan Native[ ] Asian[ ] Black or African American[ ] Native Hawaiian or Other Pacific Islander[ ] White | **Ethnicity:** | [ ] Hispanic or Latino[ ] Not Hispanic or Latino[ ] Do not wish to provide |

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| --- | --- | --- | --- |
| **Name:** |  | **Position:** |  |
| **Email:** |  | **Gender:** |  |
| **Race:** | [ ] Native American or Alaskan Native[ ] Asian[ ] Black or African American[ ] Native Hawaiian or Other Pacific Islander[ ] White | **Ethnicity:** | [ ] Hispanic or Latino[ ] Not Hispanic or Latino[ ] Do not wish to provide |

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| --- | --- | --- | --- |
| **Name:** |  | **Position:** |  |
| **Email:** |  | **Gender:** |  |
| **Race:** | [ ] Native American or Alaskan Native[ ] Asian[ ] Black or African American[ ] Native Hawaiian or Other Pacific Islander[ ] White | **Ethnicity:** | [ ] Hispanic or Latino[ ] Not Hispanic or Latino[ ] Do not wish to provide |
| **Instructions** **Part 2: Project information**Please fill out this section with information on your overall project, the type of preparation/analysis you would like done, and any special measures we must take when working with your sample(s). |

 **Part 2: Project Information**

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| **Project Title:** |  |
| Is this work being done in fulfillment of any grants? If yes please provide relevant info. |  |
| Is your work environmentally related? If yes, please describe. |  |

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| **Type(s) of instrumentation and facilities needed:** |
| [ ] Assistance with Sample Preparation/Synthesis[ ] UV-Vis Spectrophotometry (UV-Vis)[ ] Size Distribution and Zeta Potential (DLS)[ ] Transmission Electron Microscopy (TEM/STEM)[ ] Scanning Electron Microscopy (SEM)[ ] Atomic Force Microscopy (AFM) | [ ] Focused Ion Beam (FIB)[ ] Raman Spectroscopy (AFM-Raman)[ ] X-ray Diffraction (XRD)[ ] X-ray Photoelectron Spectroscopy (XPS)[ ] Powder Surface Area (BET)[ ] Other(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **Sample Description\*: *\*Append an SDS if applicable*** |
| **Please describe your sample(s) to us, paying special attention to any potential health hazards or reactivity:**  |

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| **Sample storage and special precautions\*: *\*VT Environmental Health and Safety may need to approve in special cases*** |
| [ ] Room Temperature[ ] Refrigerated[ ] Frozen (Desired Temp. \_\_\_\_) | [ ] Flammable[ ] Oxidizer[ ] Acidic[ ] Basic | [ ] Explosive/Unstable[ ] Radioactive[ ] Pathogen (BSL Level \_\_\_)[ ] Light Sensitive | **Add other special storage or handling precautions:** |

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| **Disposal\*: *\*NanoEarth reserves the right to dispose of samples 30 days after report submission unless otherwise specified*** |
| **Request for sample disposal (If sample(s) are to be returned, add FedEx/UPS# and return address):**  |

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| **Instructions  Part 3: Project description**Please include the following elements:* + - 1. An overall description of the work to be done and analytical methods needed,
			2. If you have already made contact with a NanoEarth instrument specialist or faculty, please mention it.
			3. A brief explanation of the experience level of the person(s) who will be visiting our facilities, both in terms of the proposed project, and the methods to be use at our site. Previous experience in using instrumentation is not necessary, but knowing your experience level will help us better schedule your visit.
			4. Publication/dissemination plans, if applicable.

The project description should be no longer than 2 pages, including figures and/or tables, and key references, if needed.Applications are evaluated for technical feasibility and safety, not technical merit—all legitimate users are welcome.**Send the completed form to** NanoEarth@vt.edu |

**Part 3: Project description (limit 2 pages)**