# FABrIC Semiconductor Fabrication Process Challenge Call - Round 1

**FABrIC Expression of Interest (EOI) Template**

**Deadline: The FABrIC Semiconductor Fabrication Process Challenge Call - Round 1 submission deadline is 9:00PM EDT, September 20, 2024.**

* Applications received after the deadline stated above will not be processed.
* A complete EOI submission must be submitted by email to challenges@fabricinnovation.ca
* Please send inquiries to challenges@fabricinnovation.ca

This EOI template is to be completed by the Lead Organization applying to the **FABrIC Semiconductor Fabrication Process Challenge Call - Round 1**.

The Lead Organization must submit this EOI template in accordance with the FABrIC Semiconductor Fabrication Process - Round 1 Challenge Guide and other guidance documents located on the FABrIC website, < <http://www.fabricinnovation.ca> >.

Do not alter the EOI template format or text. EOIs submissions that are incomplete will be disqualified.

FABrIC administrators will use information submitted in this EOI for the purpose of considering whether the proposed project meets requirements of FABrIC Semiconductor Fabrication Process Challenge Call - Round 1 and to make an evaluation about whether the applicant will be invited to submit a full proposal. All project evaluators are required to sign a confidentiality agreement and the Conflict of Interest Policy.

**Definitions:**

“**Lead Organization**” means the organization leading the project proposal application process and the FABrIC main point of contact and, if successful, the organization that ultimately becomes the “Lead Ultimate Recipient” to the Project Agreement responsible for overall management of the project. The Lead Organization must be a FABrIC member. The Lead Organization is also an organization that is seeking funding from FABrIC. All Lead organizations must be incorporated or a registered business in Canada, and have significant operations in Canada and include (a) for-profit organizations, (b) not-for-profit organizations, (c) post-secondary institutions in Canada or research institutes in Canada that are wholly owned by post-secondary institutions in Canada, (d) Indigenous organizations in Canada.

“**Co-lead Organization**” means an organization that is seeking funding from FABrIC and who is signing onto the Project Agreement. The Co-lead Organization must be a FABrIC member. All Co-lead organizations must be incorporated or a registered business in Canada, and have significant operations in Canada and include (a) for-profit organizations, (b) not-for-profit organizations, (c) post-secondary institutions in Canada or research institutes that are wholly owned by post-secondary institutions in Canada, (d) Indigenous organizations in Canada.

“**Collaborator**” means an organization that is not a signatory to the project agreement and is not seeking funding from FABrIC, but (1) is included in a project work plan and is responsible for project activities outlined in a project proposal, or (2) is making in-kind contribution to a project that enables completion of project activities.

## Part 1: Lead Organization Information (all fields are mandatory)

|  |  |
| --- | --- |
| **Lead Organization Name** |   |
| **Lead Business/Incorporation number** |   |
| **Lead Contact Name** |  |
| **Lead Contact Email** |   |
| **Lead Website** |   |
| **Organization Type**For profit, Non-profit, Post-secondary Institution, Research Institute, Indigenous organization |  |
| **Organization Size**Micro (up to 10 employees)SME (11 to 499 employees)Large (500+ employees) |  |
| **Lead Location of Incorporation in Canada and Primary Province/Territory of Operations** |  |
| **Ownership Structure**Describe ownership structure, including operations in Canada and in other countries |  |

Part 2: Co-lead Organization Information
**Complete only if the project will be structured with a co-lead organization. All fields are mandatory.**

|  |  |
| --- | --- |
| **Co-Lead Organization Name** |   |
| **Co-lead Business/Incorporation number** |  |
| **Co-Lead Contact Name** |   |
| **Co-Lead Contact Email** |   |
| **Co-Lead Website** |   |
| **Co-lead Organization Type**For profit, Non-profit, Post-secondary Institution, Research Institute, Indigenous organization |  |
| **Co-lead Organization Size**Micro (up to 10 employees)SME (11 to 499 employees)Large (500+ employees) |  |
| **Co-Lead Location of Incorporation in Canada and Primary Province/Territory of Operations** |  |
| **Co-Lead Ownership Structure**Describe ownership structure, including operations in Canada and in other countries |  |

Part 3: Other Collaborators **If there are other collaborators that are expected to contribute to the project, please list them here, including their role(s) in the project.**

|  |  |  |
| --- | --- | --- |
| **Organization Name** | **Contact** | **Role in project** |
|  |  |  |
|  |  |  |
|  |  |  |

Part 4: Project Overview **All fields are mandatory. Do not exceed word limits specified in fields.**

|  |  |
| --- | --- |
| **Project Title** Easily understood for general reporting Maximum of 10 words |   |
| **Project Start Date (DD/MM/YYYY)** |  |
| **Project End Date (DD/MM/YYYY)**End date must not exceed the funding end date, of December 31, 2026 |   |
| **Project Location\*** Province/Territory\*If aspects of project will be executed outside of Canada, specify location(s). |  |
| **Project Description** Include target TRL. Maximum of 300 words. |  |
| **Technology Stream*** Photonics
* MEMS
* Quantum technologies
 |  |
| **Commercial Opportunity**Brief description including expected process launch date, market need for technology, expected capacity and utilization, potential revenue, etc. Maximum of 250 words |  |
| **Expected Outcomes/Benefits to Canada**Brief description including training of HQP, job creation/retention, impact on supply chain in Canada for prototyping and low/medium volume production, accessibility to Canadian SME’s, revenue growth, potential for IP, social, economic and environmental impact, etc. Maximum of 300 words |  |
| **Need for FABrIC Funding**Brief description of current barriers, need for funding support.Maximum of 200 words |  |

Part 5: Estimated Project Budget
**All fields are mandatory. Enter in thousands of dollars CDN (e.g., $55K).**

**Enter estimated total eligible project expenses, including direct labour, materials, subcontractors, other direct expenses, capital equipment, overhead (note overhead must be estimated as 55% of direct labour costs). Refer to the Eligible Project Expenses guide on the Member portal. \*Note funding of capital equipment will require approval by ISED.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Direct Labour** | **Direct Materials** | **Sub- contractors (including NREs)** | **Other Direct Expenses** | **Capital Equipment** | **Overhead** | **Total Eligible Expenses** |
|  |  |  |  |  |  |  |

**Enter estimated contributions from all funding sources (total must equal total eligible expenses).
Do NOT include in-kind contributions.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Contributions from Lead Organization** | **Contributions from Co-lead Organization** | **Sources of Other Funding** (non-government) | **Sources of Other Funding** (government) | **Requested FABrIC Funding** | **Total Project Contributions/Funding** |
|  |  |  |  |  |  |

**Enter breakdown of sources of other government funding (non-FABrIC).**

|  |  |  |  |
| --- | --- | --- | --- |
| **Government Source** (federal/provincial/municipal) | **Program** | **Estimated Contribution** | **Stage** (identified, application in progress, secured) |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Enter breakdown of planned capital equipment purchases included in the project.**

|  |  |
| --- | --- |
| **Capital Equipment Description** | **Estimated Cost** |
|  |  |
|  |  |
|  |  |

**Will the process(es) developed in this project be made available for FABrIC Challenge support (eg. Process design kit development etc.) to enable ecosystem adoption if requested (Yes/No/Undecided)?**

**By completing and submitting this EOI you are agreeing** that your organization is aware that you are submitting on their behalf, you have reviewed all information pertaining to this Challenge call available on the FABrIC website, and the information provided in this EOI is accurate.

|  |  |  |
| --- | --- | --- |
| Lead Organization |  | Co-Lead Organization |
|  |  |  |
| (Name), (Organization) |  | (Name), (Organization) |
|  |  |  |
| *(day/month/year)* |  | *(day/month/year)* |