**Strategic Project Grants Progress Report**

**Due Date: June 30, 2013**

**Covers the Period: September 30, 2011 to June 30, 2013**

**Is your personal information below correct? (please enter an “x” in the appropriate box)**

|  |  |
| --- | --- |
|  | **Yes** |
|  | **No** (please make the necessary corrections) |

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**Is the project information below correct?**

|  |  |
| --- | --- |
|  | **Yes** |
|  | **No** (please make the necessary corrections) |

**Project title:** Collaborative Access to Information about Physical Objects via See-Through Displays

**File Number:** STPGP 413142 - 11

**Co-investigator(s):**

Juan David Hincapié-Ramos

**Collaborator(s):**

-. Hegmann, Manitoba

**Supporting Organization(s):**

M.M. Dahan, IMRIS Inc.

S.B. Borys, Winnipeg Art Gallery

C.M. Mazur, St. Vital Centre

W.K. Kwong, C3A Inc.

**1. Progress Towards Objectives/Milestones**

Using approximately 5 pages, please provide in the box below:

* a brief description of the overall objectives of the research project as awarded;
* the list of milestones as presented in the application and a description of the progress made towards each milestone/objective during the period covered by this report; and
* a description and justification for any deviations from the original objectives and a discussion of the path forward.

|  |
| --- |
| Objectives:   * Understanding users’ tasks   + Observational studies   + Classification of interactions * Designing the see-through hardware system   + Single-user support   + Multi-user support (fixed zones)   + Multi-user support (variable zones) * Multi-user interactions with see-through displays   + Input styles   + Display placement * Validation in the lab and public   + Validation of single-user   + Validation of multi-user (fixed zones)   + Validation of multi-user (variable zones) |

**2. Research Team**

Please provide an overview of the participation in, and scientific contributions to, the project for each member of the research team (principal investigator, co-investigators, collaborators, company and government scientists, research associates, postdocs, students, etc.).

|  |
| --- |
| Dr. Juan David Hincapié-Ramos (PostDoc)  Srikanth Kirshnamachari Sridharan (Master Student)  Sophie Roscher (Visiting Master Student)  Judith Faye Page (Visiting Student)  Xiang Guo (Co-op Student)  Paymahn Moghadasian (Co-op Student)  Levko Ivanchuk (Co-op Student) |

**3. Training**

Please list **each** trainee (Undergraduate Students, Master’s Students, Doctoral Students, Postdoctoral Fellows, Research Associates, Technicians …) on a separate line in the table below providing: a) the number of years they have been on the project, b) the percentage (%) of time each type of trainee spent on this project, and c) the percentage (%) of funding from this strategic grant. If a trainee is fully paid from other sources, enter “0” in the “% of funding from this grant” column. Insert additional rows if necessary. (DO NOT INCLUDE PERSONAL NAMES.)

|  |  |  |  |
| --- | --- | --- | --- |
| **Specify type of trainee (e.g. M.Sc., Ph.D. etc)**  **(one trainee per line)** | **(a)**  **Number of calendar years on the project** | **(b)**  **% of research time spent on this project** | **(c)**  **% of salary from this grant** |
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**4. Dissemination of Research Results and Knowledge and/or Technology Transfer**

4.1 Please provide the number of publications, conference presentations, and workshops to date arising from the research project supported by the grant in the table below.

**Publications, Conference Presentations, etc.**

|  |  |
| --- | --- |
|  | None to date |

**- OR -**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Number of publications, presentations…** | | |
| **Status** | **Refereed**  **Journal Articles** | **Conference**  **Presentations/**  **Poster** | **Other (including Technical Reports, Non-Refereed**  **Articles, etc.)** |
| **Accepted/Published** |  |  |  |
| **Submitted** |  |  |  |

4.2 Please provide the bibliographical reference data for the above publications, conference presentations and workshops under the corresponding headings. For publications, specify whether submitted, accepted or published.

**Refereed Journal Articles:**

|  |
| --- |
|  |

**Conference Presentations/Poster:**

|  |
| --- |
|  |

**Other (Including Technical Reports, Non-Refereed Articles, etc.):**

|  |
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|  |

* 1. **Patents and Licences**

Please provide in the table below the **number** of patents (filed and issued) and licences to date arising from the research project supported by the grant in the table below. (Provide details in 4.4.)

|  |  |
| --- | --- |
|  | Not applicable |

**- OR -**

|  |  |
| --- | --- |
|  | None Yet Filed/Issued |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Number of Patents** | | | | |
| **Description** | **Canada** | **U.S.** | **EP** | **Other** | **Totals** |
| **# of Patent Applications Filed** |  |  |  |  |  |
| **# of Patents Issued** |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **# of Licences** |  | **(Provide details in 4.4.)** |

4.4 Please provide details (titles, patent application number, patent number…) about the above listed patent applications, patents, and licences under the corresponding headings.

**Patent Applications Filed:**

|  |
| --- |
|  |

**Patents Issued:**

|  |
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|  |

**Licences: (licencees, exclusive/non-exclusive…)**

|  |
| --- |
|  |

4.5 Describe how the results achieved to date are being transferred to the user sector and the prospects for their commercial/industrial exploitation or their use by other sectors (e.g., revising or formulating policy or regulations).

**Prospects for the Transfer of the Results to the User Sector**

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| --- |
|  |

**5. Problems Encountered**

Identify the main problems encountered during this instalment of the grant from the list below (select all that apply):

|  |  |  |
| --- | --- | --- |
|  | Technical or scientific problems | |
|  | Problems with direction of research or findings | |
|  | Equipment and facilities | |
|  | Staffing issues (including students) | |
|  | Funding problems | |
|  | Partner withdrew from project | |
|  | Partner interaction issues | |
|  | Other (specify) |  | |

**- OR -**

|  |  |
| --- | --- |
|  | No problems occurred during this instalment of the grant |

Briefly describe the main problems identified above and the steps taken to resolve each one.

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1. **Collaboration with Supporting Organizations**

6.1 Who initiated this strategic project?

|  |  |  |
| --- | --- | --- |
|  | The university researcher | |
|  | The industry partner (if applicable) | |
|  | The government partner (if applicable) | |
|  | Other (specify) |  | |

6.2 In what way were the partners directly involved in the project (select all that apply)?

|  |  |
| --- | --- |
|  | Partners were not involved in the project apart from their financial and/or in-kind contributions |
|  | Partners were available for consultation |
|  | Partners provided facilities |
|  | Partners participated in the training |
|  | Partners received training from university personnel |
|  | Partners discussed the project regularly with the university team |
|  | Number of meetings during the period covered by this report:\_\_ \_ |
|  | Partners were involved in the research |

6.3 Describe the partner’s involvement and comment on the collaboration.

|  |
| --- |
|  |

6.4 Was any cash committed to this project?

|  |  |
| --- | --- |
|  | Yes |
|  | No |

6.5 Was any in-kind committed to this project?

|  |  |
| --- | --- |
|  | Yes |
|  | No |

6.6 If any cash or in-kind was committed, please enter the amounts below, along with the amount of cash and in-kind that has been received (if any) to date. If no cash or in-kind was received, please enter “0”. Where cash or in-kind was not committed enter “n/a”.

|  |  |  |
| --- | --- | --- |
|  | **Amount Committed** | **Total Amount Received to Date** |
| **Cash** |  |  |
| **In-Kind** |  |  |

6.7 Describe the in-kind received and explain variations between commitment and actual cash and in-kind contribution if applicable.

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**7. Financial Information**

The purpose of this section is to provide additional project-specific detail; it cannot be substituted with a Statement of Account (Form 300).

Please provide the following financial information:

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| **$** |

Amount remaining in grant account as of June 30th:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Budget Item | Budget for Year 1 | Actual Expenditures | Budget for Year 2 | Actual Expenditures to date in current grant year | Projections from now to September 30 (current year) | Planned Expenditures for the Next year of Support |
| **Salaries and Benefits** | | | | | | |
| Students |  |  |  |  |  |  |
| Postdoctoral fellows |  |  |  |  |  |  |
| Technical/professional assistants |  |  |  |  |  |  |
| Other (specify) |  |  |  |  |  |  |
| **Equipment or Facility** | | | | | | |
| Purchase or rental |  |  |  |  |  |  |
| Operation and maintenance costs |  |  |  |  |  |  |
| User fees |  |  |  |  |  |  |
| **Materials and Supplies** | | | | | | |
| Materials and supplies |  |  |  |  |  |  |
| **Travel** | | | | | | |
| Conferences |  |  |  |  |  |  |
| Field work |  |  |  |  |  |  |
| Collaboration/consultation |  |  |  |  |  |  |
| **Dissemination Costs** | | | | | | |
| Publication costs |  |  |  |  |  |  |
| Other (specify) |  |  |  |  |  |  |
| **Other (specify)** | | | | | | |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Totals** |  |  |  |  |  |  |

Please provide detailed explanations for any deviation in the current period and in the budget for the coming year. (Note that deviations from the budget of greater than 20 per cent require pre-approval from NSERC.)

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