**Template for**

**MSRA Collaborative Research Proposals**

## **Project Name**

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## **Principal Investigator(s)**

*Name, title, department, university or institute, email, phone number, personal web URL*

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## **Abstract (150 ~ 300 words)**

*Give a clear summary of the overall project and the problem you propose to solve, your approach to investigating the problem and the tangible outputs. State what your proposed project will contribute to the area you work in and why it is relevant and worthy of MSRA’s support.*

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## **Keywords (up to five)**

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## **Project Description (No more than five, single-space pages, in 10 pt. font or larger)**

* *Description of the problem to be investigated and its technical importance*
* *Objectives to be achieved in contributing to its solution*
* *Proposed methodology to achieve the objectives, including diagrams or algorithms if this is helpful in describing your methodology clearly and concisely*

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## **Major Expected Outputs and Plan for Disseminating the Results**

* *Social impact - [Benefit to a large number of users or plans to solve real-world environmental, social, research, government, and/or other challenges]*
* *Benefit to talent - [Training of high-quality research and/or engineering talent]*
* *Publications - [Books, chapters, journal papers, conferences, white papers and technical reports, as well as a plan for dissemination]. Note - we appreciate your acknowledgement of MSRA’s sponsorship in your publication.*
* *Data sharing – [What data is to be collected? Is data being made available to other researchers?]*

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## **Collaboration with Microsoft Research / Microsoft Research Asia**

*List possible collaborating researcher(s) and/or research group(s) and how the collaboration will be facilitated (for example, in the form of meetings, workshops, short stay at Microsoft Research lab, or through students as interns)*

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## **Adoption of Microsoft Technologies**

*Describe the planned use of Microsoft Research or Microsoft technologies, including operating system, programing language, server platform and/or MSR research technologies. For some topics, Windows Azure is the recommended platform.*

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## **Windows Azure Resource Estimation (optional)**

*Describe your best estimation of Azure resources required by your project.*

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| *For example, a request for 20 TB of storage and 200,000 hours of compute time is reasonable, while a request for 1 GB of storage and 20 hours of compute time is too small. On the other end, a request for 1,000 simultaneous servers may be too hard to satisfy.* |

## **Estimated Budget (US$)**

*Proposed funding request with detailed breakdown by deliverables. Purchase of hardware and software are not encouraged; instead, you may reserve a part of project funding for Windows Azure resources. The estimated expected budget is 15K-30K USD.*

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## **Project Schedule**

*Please list the planned timeline of project milestones.*

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## **Leverage other Resources**

*Additional sources of funding and/or how the project will leverage other projects or resources in the field.*

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## **Previous and Related Work**

*List previous projects (limited to top 3) related to the proposed topic, include project URL - if available, and papers (limit to top 3) you have published previously in the same area.*

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