

PROJECT INTRODUCTION

Objectives

To harness the spare cycles of Personal Computers (PCs) in homes, schools and other organisations to work on a cause-worthy grand challenge that appeals to Singaporeans.

To create awareness of Grid Computing in the general public.

Project Investigator / Manager

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Period of Project

03 Sep 2004 - Current

Website

<http://www.ngp.org.sg/sghome/index.html>

Abstract

This project aims to raise awareness of Grid Computing in the general public by appealing to them to contribute resources to work on a cause-worthy grand challenge project. A competition was carried out to solicit ideas for such a project.

PROJECT DETAILS

Description

The SG@home project aims to harness the spare cycles of PCs in homes, schools and other organisations to work on a cause-worthy grand challenge that appeals to Singaporeans. Through the aggregation of a huge number of PCs, it is possible to obtain the computing power of a supercomputer. This is typically referred to as PC Grid Computing.

Of the many tasks that need to be undertaken to get this project off the ground, perhaps the most important is the identification of such a grand challenge. Such a project should be computationally massive while at the same time be amenable to being partitioned into many smaller parts so that each component part can be run simultaneously in smaller computing devices, such as a PC.

The aim of the SG@home Ideas Competition was to elicit ideas for a grand challenge project that embodies a combination of enticing, educational and cause-worthy factors.



Winners of the SG@home Ideas Competition

The competition was a channel to tap onto the collective creative talents of our students and the general public to identify suitable challenges.

Currently we are working with interested domain experts to implement projects from winning entries and other sources.

Collaborating Organisations:

- Ministry of Education
- Infocomm Development Authority
- Singapore Science Centre

