Call for Papers

PSE Workshop 2005

**"Workshop on Innovative and Collaborative Problem Solving Environment
in Distributed Resources"**

in conjunction with International Conference on e-Science and Grid Technologies Dec. 5-8, 2005 Melbourne, Australia (http://www.gridbus.org/escience)

December 5, 2005, Melbourne, Australia
Supported by Japan Society for Computational Engineering & Science

Problem Solving Environment (PSE) is a newly emerging scientific and technological active area in eScience. PSEs provide innovative computational facilities for easy incorporation of novel solution methods to solve a target class of problems in Grid environments, distributed and heterogeneous resources, collaborative environments and so on. Key issues addressed in this workshop include PSE for Grid, PSE for collaborations, PSE for heterogeneous distributed system management, PSE for application developments, PSE for scientific computing and PSE for education, as well as PSEs for eSceince-relating issues. PSEs provide computational facilities to solve target problems in the novel way in the fields presented above. Grid and distributed systems are complicated, and contain huge information systems including heterogeneous computer hardware resources, application softwares, middlewares, experimental instruments, and so on. The PSEs are facilities to help users work on the complicated systems. The PSE researches and technology have been intensively explored, and at present the PSEs have started to realize this PSE dream: for example, PSE for Grid deploys middleware or application software on heterogeneous distributed resources across multi sites, and PSEs for application developments may generate, for example, parallel software. Especially in U.S.A, EU and Japan Grid projects have been started and have produced fruitful results. The PSEs are also essentially important for the Grid projects. The PSEs in the Grid projects will be included in the Workshop. Papers relating to these PSEs in eSceince are welcome to the PSE Workshop.

PAPER SUBMISSION & PROCEEDINGS

All paper submissions for PSE Workshop 2005 will be handled electronically. Authors should prepare a PDF version of their papers. Please submit the paper to **kwt@cc.utsunomiya-u.ac.jp** (Shigeo Kawata @ Utsunomiya Univ.) via e-mail. According to the role of conjunction workshop, the **workshop papers should be prepared in the *same format* as the e-Science conference papers, and should adhere to a 8 page limit**. Please direct any questions about the paper submission process to the workshop organizing committee of PSE Workshop 2005.

The papers submitted will be peer-reviewed, and the papers accepted are included in the main conference proceedings.

IMPORTANT DATES

+ Paper submission: **September 1, 2005**
+ Notification of acceptance: **September 15, 2005**
+ Camera-ready papers: **October 1, 2005**
+ Workshop date: **December 5, 2005**

WORKSHOP ORGANIZING COMMITTEE

- Prof. Shigeo Kawata (Utsunomiya Univ., Japan)
- Prof. H. Edward Seidel (Louisiana State Univ., U.S.A.)
- Prof. Yoshio Tago (Kanazawa Univ., Japan)
- Prof. Elias Houstis (Purdue Univ., U.S.A.)
- Prof. Yukio Umetani (Shizuoka Univ., Japan)
- Prof. Mo Mu (Hong Kong Univ. of Science and Technology, China)
- Dr. Yoshimasa Kadooka (Fujitsu Lab., Japan)
- Prof. John O'Callaghan (APAC, Australia)
- Prof. Hitohide Usami (NAREGI-PSE, NII, Japan)

CONTACT INFORMATION

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http://www.ee.utsunomiya-u.ac.jp/kwt/workshop/PSE2005.html

PSE Workshop 2005, Melbourne, Australia, December 5, 2005