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SUBMISSION GUIDELINE

Papers must clearly address research issues, and should be submitted in pdf format via e-mail to the guest editor, Hyerim Bae (hrbae@pusan.ac.kr). Manuscript layout requirement can be found at the journal web site,

<http://www.ijicic.org/information.htm>.

The submitted papers must not have been previously published or be currently under consideration for publication elsewhere. Please feel free to contact the editors with any questions.

IMPORTANT DATES

Paper submission deadline

March 15, 2011

1st review result announcement

April 30, 2011

Revised manuscript due

May 31, 2011

Acceptance notification

July 15, 2011

Call For Papers

Special Issue on

INTELLIGENT AND INNOVATIVE COMPUTING IN BUSINESS PROCESS MANAGEMENT

Continued advances in Internet and computing technologies, powered by the recent waves of cloud computing, have revolutionized the Information Technology (IT) industry in a number of ways. First, with pay-as-you-go utility based computing model, many IT services and IT models are becoming an integrated utility component in cloud based data centers. Second, the demand for automated management of IT processes continues to increase both horizontally and vertically in terms of IT and business process management functionality and multi-task cross-tier data-centric process management solutions. Making IT more intelligent and agile in order to respond to changes in business management has been constantly in the spotlight. In this setting, business process management systems and tools need to be flexible, self-adaptive and self-tuning in order to respond to the on-demand business changes and adaptations by reducing and minimizing code-level modification and human intervention, especially in a business environment where continued customization, data updates, and business process evolution are required. In order to increase application flexibility and business process management agility, consideration of process management techniques in company with innovative computing, information, control (ICIC) concepts are in high demand. Effective management of business processes in the Service Oriented Architecture (SOA) environments can be achieved by applying ICIC concepts to overall business process management (BPM) functions including process modeling, process mining, process discovery, process automation, process testing and validation, as well as workflow management.

The special issue solicits original contributions in the business process management area. Topics of interests include, but are not limited to, the following:

- Optimization of business process execution
- Artificial intelligence in business process management
- Evolutionary algorithms in business process management
- Prediction model of business process execution
- Case based reasoning of business process management
- Robust, fuzzy, and reliable control of business process execution
- Decision making for business process execution
- Process mining and knowledge discovery in business process management
- Reliable control of business process
- Context awareness for dynamic business process control
- SOA and business process management
- Innovative redesign method of business processes
- New applications of business process management
- Performance management and business activity monitoring
- Intelligence in business process design

※ Publication page charges will be asked to the accepted papers.