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Important Dates:

Paper submission:
20 Nov 2009
1st round notification:
31 Dec 2009
Revision deadline:
31 Jan 2010
Final notification:
28 Feb 2010
Expected publication:
Third Quarter 2010

Submission Guideline:

All manuscripts and any supplementary material should be submitted through Elsevier Editorial System (EES). The authors must select "SI: Cloud Computing - Li" when they reach the "Article Type" step in the submission process. The EES website is located at <http://ees.elsevier.com/jnca/>

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Special Issue of Journal of Network and Computer Applications on

"Recent Advances in Cloud Computing"

<http://www.elsevier.com/locate/jnca>

Scope:

The term *cloud* is used as a metaphor for the Internet, based on how the Internet is depicted in computer network diagrams, and is an abstraction for the complex infrastructure it conceals. Cloud Computing makes data truly mobile and a user can simply access a chosen cloud with any internet accessible device. The concept incorporates infrastructure as a service, platform as a service and software as a service as well as Web 2.0 and other recent technology trends that have the common theme of reliance on the Internet for satisfying the computing needs of the users. Thus, many mature technologies are used as components in cloud computing, but still there are many challenging and open problems. This special issue will focus on the issues related to advances in cloud computing. Research areas of relevance would therefore include, but not only limited to, the following topics:

- Cloud /Grid architecture
- Load balancing
- Consistency models
- Virtualization technologies
- Middleware frameworks
- Platform as a Service
- Software as a Service
- Hardware as a Service
- Data grid & Semantic web
- Web services and technology
- Trust, Security and reliability
- Task scheduling
- Utility computing
- High-performance computing
- Peer to peer computing
- Multi-core technology
- Wireless computing

Submission Format:

The submitted papers must be written in English and describe original research which is not published nor currently under review by other journals or conferences. Author guidelines for preparation of manuscript can be found at www.elsevier.com/locate/jnca. For more information, please contact the Editor-in-Chief, Mohammed Atiqzaman (atiq@ou.edu)