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Important Dates:

Paper submission:
30 November, 2009
Acceptance notification:
15 January, 2010
Final paper:
15 February, 2010
Publication:
Summer 2010

Submission Guideline:

All manuscripts and any supplementary material should be submitted through Elsevier Editorial System (EES). The authors must select "SI: Middleware Networks" 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

"Middleware Trends for Network Applications"

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

Scope:

With the recent advances in network technologies, there has been a growing interest in new network applications such as cloud, ubiquitous and sensor applications. The development of these applications is usually not trivial and faces a number of challenges. These challenges are relaxed with the existence of enabling techniques such as advanced middleware services. Middleware technologies had evolved tremendously over the past decade from simple support techniques for applications integration to a field of its own. The latest advances and innovations in middleware research, design and utilization highlighted great expansion of the middleware field. Research areas of relevance would therefore include, but not only limited to, the following topics:

Middleware Issues:

- Reconfigurable, adaptable, and reflective middleware approaches
- Middleware for reliability, fault tolerance, and quality-of-service
- Scalability of middleware
- Context-aware middleware
- Autonomic and self-managing middleware
- Evaluation techniques for middleware solutions
- Formal methods and tools for designing and verifying middleware
- Service oriented middleware
- Security middleware

Domain-Specific Middleware:

- RFID and sensor networks middleware
- Middleware for cloud computing
- Middleware for ubiquitous and mobile computing
- Middleware for networked robotics
- Smart infrastructures middleware
- Vehicular systems middleware
- Middleware support for monitoring and control systems

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 Atiquzzaman (atiq@ou.edu)