

# **NEW SOFTWARE TECHNOLOGIES AND THEIR IMPACT ON DISTRIBUTED SIMULATION**

**Tom Strellich, [tstrellich@illgen.com](mailto:tstrellich@illgen.com)  
Illgen Simulation Technologies, Inc.  
Santa Barbara, CA**

**John D. Illgen, [jillgen@illgen.com](mailto:jillgen@illgen.com)  
Illgen Simulation Technologies, Inc.  
Santa Barbara, CA**

## **ABSTRACT**

The recent introductions of Sun's Jini (pronounced "Genie") technology and the World Wide Web Consortium's (W3C) eXtensible Markup Language (XML) have the potential to fundamentally change the way software is developed, deployed, and utilized since they represent the next logical step in the progression and fusion of distributed component architectures with network technology. The paper describes the problem domain and new software technologies, assesses their impact on simulation integration and interoperation, and provides a representative scenario illustrating the application of the technologies in a prototype simulation integration architecture.