JAVA FOR PARALLEL DISCRETE EVENT SIMULATION: A SURVEY

I. Castilla\(^{(a)}\), R. Aguilar\(^{(b)}\)

\(^{(a)(b)}\) Department of Systems Engineering and Automation, and Computer Architecture. University of La Laguna. Spain

\(^{(a)}\) ivan@isaatc.ull.es, \(^{(b)}\) raguilar@ull.es

ABSTRACT
Since the early 90s, when it was first released, Java has become one of the most widespread programming languages. Discrete Event Simulation and also Parallel Discrete Event Simulation have attracted more and more projects which are Java-based. This paper presents a brief survey on the tools and facilities that make Java such an attractive option for parallel simulation developers. Nevertheless, several drawbacks and lacks of the language are also exposed.

Keywords: Parallel Discrete Event Simulation, Java, Survey.
REFERENCES

*Concurrency and Computation: Practice and Experience*, 17(7-8), 775-795.


Lewis, T., 1997. If Java is the answer, what was the question? Computer, 30, 133-135.


AUTHORS BIOGRAPHY

IVÁN CASTILLA was born in La Laguna, Tenerife and attended the University of La Laguna, where he studied Engineering Computer Science and obtained his degree in 2004. He is currently working on his PhD with the Department of Systems Engineering and Automation at the same university. His research interests include parallel discrete event simulation and computer architecture.

ROSA M. AGUILAR received her MS degree in Computer Science in 1993 from the University of Las Palmas de Gran Canaria and her PhD degree in Computer Science in 1998 from the University of La Laguna. She is an associate professor in the Department of Systems Engineering and Automation at the University of La Laguna. Her current research interests are decision making based on discrete event simulation systems and knowledge-based systems, intelligent agents, and intelligent tutorial systems.