



Volume 78, Issue 5, September 2012

## CONTENTS



---

Covered in the abstract and citation database SciVerse Scopus®. Full text available on SciVerse ScienceDirect®.

---

**JCSS Special Issue: Cloud Computing 2011****Guest Editors:** Jinjun Chen and Lizhe Wang**JCSS Special Issue: Learning Theory 2009****Guest Editor:** Alexander Rakhlin**SPECIAL ISSUE ARTICLES: "CLOUD COMPUTING 2011"**

- 1279 Special Issue: Cloud Computing 2011**  
Jinjun Chen and Lizhe Wang
- 1280 SLA-based admission control for a Software-as-a-Service provider in Cloud computing environments**  
Linlin Wu, Saurabh Kumar Garg, and Rajkumar Buyya
- 1300 Enforcing QoS in scientific workflow systems enacted over Cloud infrastructures**  
Rafael Tolosana-Calasanz, José Ángel Bañares, Pham Congduc, and Omer F. Rana
- 1316 A QoS-aware composition method supporting cross-platform service invocation in cloud environment**  
Lianyong Qi, Wanchun Dou, Xuyun Zhang, and Jinjun Chen
- 1330 Cloud federation in a layered service model**  
David Villegas, Norman Bobroff, Ivan Rodero, Javier Delgado, Yanbin Liu, Aditya Devarakonda, Liana Fong, S. Masoud Sadjadi, and Manish Parashar
- 1345 Distributed data possession checking for securing multiple replicas in geographically-dispersed clouds**  
Jing He, Yanchun Zhang, Guangyan Huang, Yong Shi, and Jie Cao
- 1359 A privacy preserving authorisation system for the cloud**  
David W. Chadwick and Kaniz Fatema
- 1374 A historical probability based noise generation strategy for privacy protection in cloud computing**  
Gaofeng Zhang, Yun Yang, and Jinjun Chen
- 1382 P2P-MapReduce: Parallel data processing in dynamic Cloud environments**  
Fabrizio Marozzo, Domenico Talia, and Paolo Trunfio

Continued on inside back cover

The homepage and Guide for Authors for the *Journal of Computer and System Sciences* can be found at: <http://www.elsevier.com/locate/jcss>Available online at [www.sciencedirect.com](http://www.sciencedirect.com)**SciVerse ScienceDirect**

0022-0000(201209)78:5;1-9