Errata for Novel Techniques and Methods for Performance Measurement, Analysis and Monitoring of Cluster and Grid Applications*

Last revised: April 1, 2005

Page 27, line 1: Replace "The one of" with "One of".
Page 33, Definition 3.4: A Grid site is comprised of a set of grid services, within a single organization that is utilized as a single, unified computing service.
Page 33, line 27, 28: high available bandwidth *and are controlled by a single resource management service.*
Page 34, figure 3.6: Replace "User's host and storage" with "User site"
Page 89, line 27: Remove "$\{x\}(x \in U)$"
Page 91, line 41: Replace "m_l" with "m_i"
Page 92, line 1, Equation 5.15: Replace "$l = 1$" with "$i = 1$"
Page 96, line 3,4: Replace "pattern" with "code region"
Page 105, line 13:
Replace "Group members share" with "Group members are similar objects that share"
Replace "some insightful information" with "insightful information for discovering structures in the data clustered"
Page 106, line 21-22

$$\forall i \in \{1, \cdots, c\} : \sum_{j=1}^{n} u_{ij} > 0, \text{ and}$$
$$\forall j \in \{1, \cdots, n\} : \sum_{i=1}^{c} u_{ij} = 1$$

Page 106, line 16: Replace "basic" with "detailed".
Page 106, line 26
Replace "The $n \times c$ matrix U" with "The matrix $U_{c \times n}$"
Replace "is called the fuzziness" with "determines the degree of fuzziness"
Page 106, line 27: Replace "$d^2_{fcm}(\vec{s_j}, c_i)$" with "$d^2(c_i, \vec{s_j})$"
Page 150, line 5, Equation 6.4: $sf = n \times \frac{max_{i=1}^{n}(T_n(a_i))}{T_1(a_i)}$
Page 182, line 12: Replace "32 atoms" with "36 atoms"

*Part of this errata is attached in the hard-copy of the dissertation. However, the electronic version published elsewhere may not include in full or part of this errata.

Page 189, Figure 7.29: Labels "Group search on DS-UIBK" and "Group search on DS-VCPC" should be exchanged
Page 194, line 21: Replace "This causes by" with "This is caused by"
Page 195, line 1: Replace "rest machines" with "remaining machines"
References
Missing references

- J. Wainer, M. Weske, G. Vossen, and C. Bauzer Medeiros. Scientific Workflow Systems. In *Proc. NSF Workshop on Workflow and Process Automation in Information Systems: State-of-the-Art and Future Directions*, Athens, Georgia, May 1996. (cited in Section 3.5.2)

- Frank Hooeppner, Frank Klawonn, Rudolf Kruse and Thomas Runkler. *Fuzzy Cluster Analysis*, Wiley, 1999. ISBN 0-471-98864-2. (cited in Section 5.6.11.1)

- *Cluster Analysis What is it?.* http://149.170.199.144/multivar/ca.htm. (cited in Section 5.6.11)

Broken references

[62] Earl Cox. *Fuzzy SQL: A Tool for Finding the Truth. The Power of Approximate Database Queries.* Scianta Intelligence. http://scianta.com/pubs/ARPA-008.htm

[124] the web link should be "http://www.epcc.ed.ac.uk/HPCinfo/index.html"