Lee Ward
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PROFESSIONAL EXPERIENCE

2000–   Principal Member of Technical Staff, Sandia National Laboratories. Conduct research on high performance file systems and storage.

QUALIFICATIONS SUMMARY

- Designed and wrote the eNFS filel system service for Sandia's CPlant clusters
- Designed and wrote the libsysio virtual file system interface for Cray-XT class machines running the Catamount operating system
- Received two patents for error correcting codes applicable to 3D stacked-silicon memories

SELECTED RECENT PUBLICATIONS

1. Liu, Guoxin, Haiying Shen, and Lee Ward. "An efficient and trustworthy P2P and social network integrated file sharing system." Computers, IEEE Transactions on 64, no. 1 (2015): 54-70.

2. Karakoyunlu, Cengiz, Dries Kimpe, Philip Carns, Kevin Harms, Robert Ross, and Lee Ward. "Toward a unified object storage foundation for scalable storage systems." In Cluster Computing (CLUSTER), 2013 IEEE International Conference on, pp. 1-8. IEEE, 2013.

3. Carns, Philip, Kevin Harms, Dries Kimpe, Justin M. Wozniak, Robert Ross, Lee Ward, Matthew Curry et al. "A case for optimistic coordination in hpc storage systems." In High Performance Computing, Networking, Storage and Analysis (SCC), 2012 SC Companion:, pp. 48-53. IEEE, 2012.

4. Wildani, Avani, Ethan L. Miller, and Lee Ward. "Efficiently identifying working sets in block i/o streams." In Proceedings of the 4th Annual International Conference on Systems and Storage, p. 5. ACM, 2011.

5. Curry, Matthew L., Anthony Skjellum, H. Lee Ward, and Ron Brightwell. "Gibraltar: A Reed-Solomon coding library for storage applications on programmable graphics processors." Concurrency and Computation: Practice and Experience 23, no. 18 (2011): 2477-2495.

CONFLICTS OF INTEREST

Collaborators and Co-authors (in past 48 months)

- Arpaci-Dusseau, Remzi (University of Wisconsin - Madison): collaborator
- Brooks, Richard (Clemson University): collaborator
- Carns, Phil (Argonne National Laboratory): co-author; collaborator
- Harms, Kevin (Argonne National Laboratory): co-author
- Kelly, Suzanne (Sandia National Laboratories): co-author
- Kimpe, Dries (Argonne National Laboratory): co-author
- Reddy, Narasimha (Texas A&M University): co-author; collaborator
- Resnick, David (Sandia National Laboratory): co-author
- Ross, Robert (Argonne National Laboratory): co-author; collaborator
- Shen, Haiying (Clemson University): co-author; collaborator
- Skjellum, Anthony (Auburn University): co-author; collaborator
- Sun, Zhiwei (Data Direct Networks): co-author
- Long, Darrell (University of California, Santa Cruz); co-author, collaborator
- Miller, Ethan (University of California, Santa Cruz); co-author, collaborator