Publications

List of publications related to Clowder (formerly Medici).

If you publish work that uses Clowder, please cite the following paper:

Luigi Marini, Indira Gutierrez-Polo, Rob Kooper, Sandeep Puthanveetil Satheesan, Maxwell Burnette, Jong Lee, Todd Nicholson, Yan Zhao, and Kenton McHenry. 2018. Clowder: Open Source Data Management for Long Tail Data. In Proceedings of the Practice and Experience on Advanced Research Computing (PEARC '18). ACM, New York, NY, USA, Article 40, 8 pages. DOI: https://doi.org/10.1145/3219104.3219159

Digital Preservation

- S. Padhy, J. Alameda, R. Kooper, R. Liu, S. P. Satheesan, I. Zharnitsky, G. Jansen, M. Dietze, P. Kumar, B. Minsker, C. Navarro, M. Slavenas, W. Sullivan, and K. McHenry, “An Architecture for Automatic Deployment of Brown Dog Services At Scale into Diverse Computing Infrastructures,” in *XSEDE*, 2016.
- S. Padhy, L. Diesendruck, R. Kooper, R. Liu, L. Marini, C. Navarro, M. Slavenas, I. Zharnitsky, M. Dietze, P. Kumar, B. Minsker, J. Lee, and K. McHenry, “Autocuration Cyberinfrastrucutre for Scientific Discovery and Preservation,” in *IEEE eScience*, 2015.
- J. Myers, M. Hedstrom, D. Akmon, S. Payette, B. A. Plale, I. Kouper, S. McCaulay, R. McDonald, I. Suriarachchi, A. Varadharaju, P. Kumar, M. Elag, J. Lee, R. Kooper and L. Marini, “Towards Sustainable Curation and Preservation: The SEAD Project's Data Services Approach,” in *2015 IEEE 11th International Conference on e-Science*, 2015.
- S. Padhy, G. Jansen, J. Alameda, E. Black, L. Diesendruck, M. Dietze, P. Kumar, R. Kooper, J. Lee, R. Liu, R. Marciano, L. Marini, D. Mattson, B. Minsker, C. Navarro, M. Slavenas, W. Sullivan, J. Votava, and K. McHenry, “Brown Dog: Leveraging Everything Towards Autocuration,” in *IEEE Big Data*, 2015.
- K. McHenry, J. Lee, M. Dietze, P. Kumar, B. Minsker, R. Marciano, L. Marini, R. Kooper, and D. Mattson, “DIBBs Brown Dog, PaaS for SaaS for PaaS,” in *XSEDE Reproducibility Workshop*, 2014.
- L. Marini, R.Kooper, J.Futrelle, J.Plutchak, A.Craig, T.McLaren, and J. Myers, “Medici: A scalable multimedia environment for research,” in The Microsoft e-Science Workshop, 2010.

Geoscience

- M. Elag, P. Kumar, L. Marini, J. Myers, M. Hedstrom, and B. Plale, “Identification and characterization of information-networks in long-tail data collections,” *Environmental Modelling & Software*, 2017. http://www.sciencedirect.com/science/article/pii/S1364815216309732

Material Science

- P. Nguyen, S. Konstanty, T. Nicholson, T. O’Brien, A. Schwartz-Duval, T. Spila, K. Nahrstedt, R. Campbell, I. Gupta, M. Chan, K. McHenry, and N. Paquin, "4CeeD: Real-time Acquisition and Analysis Framework for Materials-related Cyber-Physical Environments," in*17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing*, 2017.

Medicine

- Y. Zhao, E. Black, L. Marini, K. McHenry, N. Kenyon, R. Patil, A. Kajdacsy-Balla, and A. Bartholomew, "Automatic Glomerulus Extraction in Whole Slide Images Towards Computer Aided Diagnosis," *2016 IEEE 12th International Conference on e-Science (e-Science)*, 2016.
- L. Marini, A. Vaidya, N. Tenczar, N. Kenyon, A. Bartholomew, D. Salomon, et al., "Extending the Medici Data Management Service for Medical Research Involving Distributed Teams," *IEEE eScience*, 2013.

Social Science

- M. Poole, N. Lambert, S. Satheesan, A. Das, A. Yahja, and M. Hasegawa-Johnson, "GroupScope: A Framework and Tools for Large Scale Study of Social Processes," in *International Conference on Computational Social Science,* 2015.

Cultural Heritage & Arts

- P. Rodriguez, S. Puthanveetil Satheesan, J. Will, E. Wuerffel, and A. Craig, “Extracting, Assimilating, and Sharing the Results of Image Analysis on the FSA/OWI Photography Collection,” to be presented at PEARC, 2017.
- A. Langmead, P. Rodriguez, S. Puthanveetil Satheesan, and A. Craig, “Extracting Meaningful Data from Decomposing Bodies,” to be presented at PEARC, 2017.
- C. Sophocleous, L. Marini, R. Georgiou, M. Elfarargy, and K. McHenry, “Medici 2: A Scalable Content Management System for Cultural Heritage Datasets,” in *Code4Lib*, 2017. http://journal.code4lib.org/articles/12317
- M. Slavenas, E. Wuerffel, P. Rodriguez, J. Will, and A. Craig, “Image Analysis and Infrastructure Support for Mining the Farm Security Administration – Office of War Information Photography Collection,” in *XSEDE*, 2016.
- V. Kuhn, A. Craig, M. Simeone, S. P. Satheesan, and L. Marini, “The VAT: Enhanced Video Analysis,” in *XSEDE*, 2015.
- V. Kuhn, M. Simeone, L. Marini, D. Bock, A. Craig, L. Diesendruck, and S. P. Satheesan, “MOVIE: Large Scale Automated Analysis of MOVing ImagEs,” in *XSEDE*, 2014. http://dl.acm.org/citation.cfm?id=2616529