

## Books

1. **K. Karasavvas**. Bitcoin Programming. Creative Commons Attribution-ShareAlike 4.0 International License, <https://kkarasavvas.com/assets/bitcoin-textbook.pdf>, 2020.
2. **K. Karasavvas**. Adjusting Autonomy in Multi-Agent Bioinformatics Integration Systems. ISBN: 978-3639169652. VDM Verlag, 2009.

## Journals

1. T. Sermpinis, G. Vlahavas, **K. Karasavvas**, and A. Vakali. DeTRACT: a decentralized, transparent, immutable and open PKI certificate framework. *International Journal of Information Security*, Springer ISSN 1615-5262, DOI 10.1007/s10207-020-00518-3, Aug 2020.
2. S. Koulouzis, R. Cushing, **K. Karasavvas**, A. Belloum, and M. Bubak. Enabling Web Services to Consume and Produce Large Distributed Datasets. *IEEE Internet Computing*, 21 Sept. 2011. (<http://doi.ieeecomputersociety.org/10.1109/MIC.2011.138>).
3. A. Sanchez, M. S. Perez, **K. Karasavvas**, P. Herrero, and A. Perez. MAPFS-DAI, an extension of OGSA-DAI based on a parallel file system. *Future Generation Computer Systems* 23:138-145, Elsevier, 2007.
4. **K. Karasavvas**, R. Baldock, and A. Burger. A Criticality-Based Framework for Task Composition in Multi-Agent Bioinformatics Integration Systems. *Bioinformatics*, 21(14):3155-3163, 2005.
5. **K. Karasavvas**, R. Baldock, and A. Burger. Bioinformatics System Integration and Agent Technology. *Journal of Biomedical Informatics*, Vol. 37 (4), 2004.

## Conferences/Workshops/Chapters

1. George Vlahavas, **K. Karasavvas**, and Athena Vakali. Taking Another Look at the Use of Bloom Filters in Bitcoin. In WI-IAT '21: IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology, pp. 557–562, DOI 10.1145/3486622.3493989, 2022.
2. Siopi Maria, George Vlahavas, **K. Karasavvas**, and Athena Vakali. DeCStor: A Framework for Privately and Securely Sharing Files Using a Public Blockchain. In International Conference on Discovery Science, pp. 280-293. Springer, Cham, 2020.
3. **K. Karasavvas**. Revoking Records in an Immutable Ledger: A platform for issuing and revoking official documents on public blockchains. Crypto Valley Conference on Blockchain Technology, 10.1109/CVCBT.2018.00019, IEEE Xplore Digital Library, pp 105-111, 2018.
4. **K. Karasavvas**, K. Wolstencroft, E. Mina, D. Cruickshank, A. Williams, D. De Roure, C. Goble and M. Roos. Opening new gateways to workflows for life scientists. 4<sup>th</sup> International Workshop on Science Gateways for Life Sciences,

Amsterdam, The Netherlands, May 23-25, 2012.

5. **K. Karasavvas**, C. Chichester, D. Cruickshank, R. Haines, D. Fellows and M. Roos. Enacting Taverna Workflows through Galaxy. *12th annual Bioinformatics Open Source Conference (BOSC 2011)*, Vienna, Austria, July 15-16, 2011.
6. M. Antonioletti, N. P. Chue Hong, A. C. Hume, M. Jackson, **K. Karasavvas**, A. Krause, J. M. Schopf, M. P. Atkinson, B. Dobrzelecki, M. Illingworth, N. McDonnell, M. Parsons, and E. Theocharopoulos. OGSA-DAI 3.0 – The Whats and Whys. *UK e-Science All Hands Meeting*, 2007.
7. N. P. Chue Hong, M. Antonioletti, **K. A. Karasavvas**, M. Atkinson. Accessing Data in Grids Using OGSA-DAI. In *Knowledge and Data Management in Grids, CoreGRID Volume #3*, Eds. D. Talia, A. Bilas, and M. Dikaiakos, Springer 2006.
8. B. Dobrzelecki, M. Antonioletti, J. M. Schopf, A. C. Hume, M. Atkinson, N. P. Chue Hong, M. Jackson, **K. Karasavvas**, A. Krause, M. Parsons, T. Sugden and E. Theocharopoulos. Profiling OGSA-DAI Performance for Common Use Patterns. *UK e-Science All Hands Meeting*, 2006.
9. M. Antonioletti, M. Atkinson, N. Chue Hong, B. Dobrzelecki, A. Hume, M. Jackson, **K. Karasavvas**, A. Krause, T. Sugden, E. Theocharopoulos. Grid Enabling your Data Resources with OGSA-DAI. *Workshop on State-of-the-Art in Scientific and Parallel Computing*, Umea, Sweden, 2006.
10. M. Atkinson, **K. Karasavvas**, M. Antonioletti, R. Baxter, A. Borley, N. C. Hong, A. Hume, M. Jackson, A. Krause, S. Laws, N. Paton, J. Schopf, T. Sugden, K. Tourlas, P. Watson. A New Architecture for OGSA-DAI. *UK e-Science All Hands Meeting*, 2005.
11. **K. Karasavvas**, M. Antonioletti, M. Atkinson, N. C. Hong, T. Sugden, A. Hume, M. Jackson, A. Krause, C. Palansuriya. An Introduction to OGSA-DAI Services. *Lecture Notes in Computer Science*, 3458:1-12, Springer, 2005.
12. **K. Karasavvas**, R. Baldock, and A. Burger. Criticality-Based Task Composition in Distributed Bioinformatics Systems. *Proceedings of the Twelfth International Conference on Intelligent Systems for Molecular Biology*, ISMB/ECCB Jul. 31 – Aug. 4, 2004.
13. **K. Karasavvas**, A. Burger, and R. Baldock. A Multi-Agent Bioinformatics Integration System with Adjustable Autonomy. *Lecture Notes in Computer Science*, 2417, Springer-Verlag, 2002.
14. **K. Karasavvas**, A. Burger, and R. Baldock. A Multi-Agent Bioinformatics Integration System with Adjustable Autonomy: An Overview. *Proceedings of the First International Conference on Autonomous Agents and Multi-Agent Systems*, AAMAS 2002, ACM, Bologna, Italy, 15<sup>th</sup>-19<sup>th</sup> July 2002.
15. **K. Karasavvas**, R. Baldock, and A. Burger. Managing Transparency in Distributed Bioinformatics Systems. *European Media Lab Workshop on Management and Integration of Biochemical Data*, Heidelberg, Germany, September 2000.