

An enhanced lightweight authentication scheme for secure access to cloud data

Hammami, Hamza; Obaidat, Mohammad S.; **Ben Yahia, Sadok** Proceedings of the 17th International Joint Conference on e-Business and Telecommunications, ICETE 2020 - Volume 3: ICE-B, Lieusaint, Paris, France, July 8-10, 2020 2020 / p. 110-117
<https://doi.org/10.5220/0009824301100117>

Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3)

Yakneen, Sergei; Waszak, Sebastian M.; Aminou, Brice; Bartolome, Javier; Boroevich, Keith A.; Boyce, Rich; Brooks, Angela N.; Buchanan, Alex; Buchhalter, Ivo; Butler, Adam P.; Byrne, Niall J.; Cafferkey, Andy; **Uusküla-Reimand, Liis** Author Correction: Butler enables rapid cloud-based analysis of thousands of human genomes (Nature Biotechnology, (2020), 38, 3, (288-292), 10.1038/s41587-019-0360-3) 2023 / p. 577 <https://doi.org/10.1038/s41587-022-01554-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A cache-based approach toward improved scheduling in fog computing

Khan, Osama Amir; Malik, Saif Ur Rehman; Baig, Faizan M.; Islam, Saif Ul; Pervaiz, Haris; **Malik, Hassan**; Ahmed, Syed Hassan Software - Practice and Experience 2021 / p. 2360 - 2372 <https://doi.org/10.1002/spe.2824> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Cloud computing: serverless

Koschel, Arne; Bertram, Marvin; Bischof, Richard; Schulze, Kevin; Schaaf, Marc; **Astrova, Irina** 12th International Conference on Information, Intelligence, Systems & Applications (IISA), 12-14 July 2021 : proceedings 2021 / art. 21201275, 7 p. : ill <https://doi.org/10.1109/IISA52424.2021.9555534>

Concept of Estonian government cloud and data embassies

Kotka, Taavi; Liiv, Innar Electronic Government and the Information Systems Perspective : 4th International Conference, EGOVIS 2015, Valencia, Spain, September 1-3, 2015 : proceedings 2015 / p. 149-162 : ill https://doi.org/10.1007/978-3-319-22389-6_11 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Customized warning system for the lowering of driving performances in older drivers

Arikan, Kutluk; Arndt, Holger; **Pashkevich, Anton** European Interdisciplinary Conference "Ageing and Safe Mobility", 27./28.11.2014, Bergisch-Gladbach 2014 / [9] p. : ill

DatApollo : Orchestration of serverless functions for scalable data mining

Shahin, Mahtab; Bertl, Markus; Janatian, Nasim; Aznar-Poveda, Juan; Shah, Syed Attique; Fahringer, Thomas; **Arakkal Peious, Sijo**; **Draheim, Dirk** IEEE Access 2025 / p. 142813-142828 <https://doi.org/10.1109/ACCESS.2025.3591712>

DBaaS comparison : Amazon vs. Microsoft

Astrova, Irina; Koschel, Arne; Eickemeyer, Chris; Kersten, Jan; Offel, Norman International Conference on Information Society (i-Society 2017) 2017 / p. 15-21 <http://doi.org/10.23919/i-Society.2017.8354663>

Efficiency experiments on Hadoop and Giraph with PageRank

Koschel, Arne; Heine, Felix; **Astrova, Irina**; Korte, Fred; Rossow, Thomas; Stipkovic, Sebastian 24th Euromicro International Conference on Parallel, Distributed, and Network-Based Processing : PDP 2016 : 17-19 February 2016, Heraklion, Crete, Greece : proceedings 2016 / p. 328-331 : ill <https://doi.org/10.1109/PDP.2016.49>

Harnessing cloud scalability to hadoop clusters

Koschel, Arne; Heine, Felix; **Astrova, Irina** Information Systems 15th European, Mediterranean, and Middle Eastern Conference, EMCIS 2018 : Limassol, Cyprus, October 4-5, 2018 : proceedings 2019 / p. 59-71 https://doi.org/10.1007/978-3-030-11395-7_6 [Conference proceeding at Scopus](#) [Article at Scopus](#)

IaaS platforms : how secure are they?

Astrova, Irina; Koschel, Arne; Henke, Mats Lennart IEEE 30th International Conference on Advanced Information Networking and Applications Workshops : WAINA 2016 : 23-25 March 2016, Crans-Montana, Switzerland : proceedings 2016 / p. 843-848 : ill <https://doi.org/10.1109/WAINA.2016.22>

Integrating smart energy management system with internet of things and cloud computing for efficient demand side management in smart grids

Saleem, M. Usman; Shakir, Mustafa; Usman, M. Rehan; Bajwa, M. Hamza Tahir; **Shabbir, Noman**; **Shams Ghahfarokhi, Payam**; **Daniel, Kamran** Energies 2023 / art. 4835 : ill <https://doi.org/10.3390/en16124835> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A lightweight anonymous authentication scheme for secure cloud computing services

Hammami, Hamza; **Ben Yahia, Sadok**; Obaidat, Mohammad S. The Journal of Supercomputing 2021 / p. 1693-1713 <https://doi.org/10.1007/s11227-020-03313-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Moving Hadoop to the Cloud for Big Data Analytics

Astrova, Irina; Koschel, Arne; Heine, Felix; **Kalja, Ahto** Databases and information systems X : selected papers from the thirteenth International Baltic Conference, DB&IS 2018 2019 / p. 195-209 <https://doi.org/10.3233/978-1-61499-941-6-195>
https://www.ester.ee/record=b5203991*est [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

NB-IoT based visual smart waste management system

Zulqarnain Khan, Sikandar; **Hein, Haigo**; **Alam, Muhammad Mahtab**; **Le Moullec, Yannick**; Päränd, Sven 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p. : ill <https://doi.org/10.1109/BEC56180.2022.9935601>

Offering Hadoop as a cloud service [Electronic resource]

Astrova, Irina; Koschel, Arne; Henke, Mats Lennart; Nahle, Hassan Proceedings of 2016 SAI Computing Conference : 13-15 July, 2016, London, United Kingdom 2016 / p. 589-595 : ill. [USB] <https://doi.org/10.1109/SAI.2016.7556041>

Orchestration of serverless functions for scalable association rule mining with Apollo

Shahin, Mahtab; Janatian, Nasim; Poveda, Juan Aznar; Fahringer, Thomas; **Ghasempouri, Tara**; Shah, Syed Attique; **Draheim, Dirk** techrxiv.org 2024 / 20 p <https://doi.org/10.36227/techrxiv.172101151.16682756/v1>

The present and future of large-scale systems modeling and engineering

Draheim, Dirk Future Data and Security Engineering : Third International Conference, FDSE 2016, Can Tho City, Vietnam, November 23-25, 2016 : proceedings 2016 / p. 355-370 : ill https://doi.org/10.1007/978-3-319-48057-2_25 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Requirements for e-testing services in the afgREN cloud-based e-learning system

Saay, Salim; Laanpere, Mart; Norta, Alexander Technology Enhanced Assessment, 19th International Conference, TEA 2016, Tallinn Estonia, October 5-6, 2016 : revised selected papers 2017 / p. 133-147 https://doi.org/10.1007/978-3-319-57744-9_12 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Scalable Hadoop-based infrastructure for big data analytics

Astrova, Irina; Koschel, Arne; Heine, Felix; **Kalja, Ahto** Databases and Information Systems : 13th International Baltic Conference, DB&IS 2018, Trakai, Lithuania, July 1-4, 2018 : proceedings 2018 / p. 233-242 https://doi.org/10.1007/978-3-319-97571-9_19
[Conference proceedings at Scopus](#) [Article at Scopus](#)

ScaLib : Scalable Library System based on Google App Engine

Matesanz, Philip; Buchner, Dennis; Forderer, Arthur; **Astrova, Irina** 2018 9th International Conference on Information, Intelligence, Systems and Applications (IISA 2018) : Zakynthos, Greece, 23-25 July 2018 2018 / p.317-322 : ill
<http://doi.org/10.1109/IISA.2018.8633629>

Serverless, FaaS and why organizations need them

Astrova, Irina; Koschel, Arne; Schaaf, Marc; Klassen, Samuel; Jdiya, Kerim Intelligent decision technologies 2021 / p. 825-838
<https://doi.org/10.3233/IDT-210194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)