

Aniruddha S Gokhale

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6083591/publications.pdf>

Version: 2024-02-01

238
papers

3,226
citations

331259

21
h-index

360668

35
g-index

244
all docs

244
docs citations

244
times ranked

2420
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Efficient Autoscaling in the Cloud Using Predictive Models for Workload Forecasting. , 2011, , . | | 386 |
| 2 | Software-Defined Networking: Challenges and research opportunities for Future Internet. Computer Networks, 2014, 75, 453-471. | 3.2 | 209 |
| 3 | Publish/subscribe-enabled software defined networking for efficient and scalable IoT communications. , 2015, 53, 48-54. | | 136 |
| 4 | Developing Applications Using Model-Driven Design Environments. Computer, 2006, 39, 33-40. | 1.2 | 133 |
| 5 | Measuring and optimizing CORBA latency and scalability over high-speed networks. IEEE Transactions on Computers, 1998, 47, 391-413. | 2.4 | 72 |
| 6 | Improving Domain-Specific Language Reuse with Software Product Line Techniques. IEEE Software, 2009, 26, 47-53. | 2.1 | 59 |
| 7 | Applying model-integrated computing to component middleware and enterprise applications. Communications of the ACM, 2002, 45, 65-70. | 3.3 | 57 |
| 8 | DAnCE: A QoS-Enabled Component Deployment and Configuration Engine. Lecture Notes in Computer Science, 2005, , 67-82. | 1.0 | 47 |
| 9 | iOverbook: Intelligent Resource-Overbooking to Support Soft Real-Time Applications in the Cloud. , 2014, , . | | 45 |
| 10 | BARISTA: Efficient and Scalable Serverless Serving System for Deep Learning Prediction Services. , 2019, , . | | 45 |
| 11 | Introducing embedded software and systems education and advanced learning technology in an engineering curriculum. Transactions on Embedded Computing Systems, 2005, 4, 549-568. | 2.1 | 43 |
| 12 | Total quality of service provisioning in middleware and applications. Microprocessors and Microsystems, 2003, 27, 45-54. | 1.8 | 41 |
| 13 | Title is missing!. Real-Time Systems, 2001, 21, 77-125. | 1.1 | 39 |
| 14 | Domain-Specific Modeling. Chapman & Hall/CRC Computer and Information Science Series, 2007, , 7-1-7-20. | 0.4 | 38 |
| 15 | A self-tuning system based on application Profiling and Performance Analysis for optimizing Hadoop MapReduce cluster configuration. , 2013, , . | | 36 |
| 16 | Model driven middleware: A new paradigm for developing distributed real-time and embedded systems. Science of Computer Programming, 2008, 73, 39-58. | 1.5 | 35 |
| 17 | Dynamic Resource Management Across Cloud-Edge Resources for Performance-Sensitive Applications. , 2017, , . | | 34 |
| 18 | An Approach for Supporting Aspect-Oriented Domain Modeling. Lecture Notes in Computer Science, 2003, , 151-168. | 1.0 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | INDICES: Exploiting Edge Resources for Performance-Aware Cloud-Hosted Services. , 2017, , . | | 32 |
| 20 | Towards Real-Time Fault-Tolerant CORBA Middleware. Cluster Computing, 2004, 7, 331-346. | 3.5 | 31 |
| 21 | Voronoi-based placement of road-side units to improve dynamic resource management in Vehicular Ad Hoc Networks. , 2013, , . | | 31 |
| 22 | A cloud middleware for assuring performance and high availability of soft real-time applications. Journal of Systems Architecture, 2014, 60, 757-769. | 2.5 | 31 |
| 23 | Reliable publish/subscribe middleware for time-sensitive internet-scale applications. , 2009, , . | | 29 |
| 24 | Adaptive Failover for Real-Time Middleware with Passive Replication. , 2009, , . | | 27 |
| 25 | A simulation as a service cloud middleware. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 93-108. | 1.6 | 27 |
| 26 | Optimizing a CORBA Internet inter-ORB protocol (IIOP) engine for minimal footprint embedded multimedia systems. IEEE Journal on Selected Areas in Communications, 1999, 17, 1673-1706. | 9.7 | 26 |
| 27 | Techniques and processes for improving the quality and performance of open-source software. Software Process Improvement and Practice, 2006, 11, 163-176. | 1.1 | 26 |
| 28 | Emphysematous Pyelonephritis: Tertiary Care Center Experience in Management and Review of the Literature. Urologia Internationalis, 2010, 85, 304-308. | 0.6 | 25 |
| 29 | A Capacity Planning Process for Performance Assurance of Component-based Distributed Systems. , 2011, , . | | 23 |
| 30 | Cloud-hosted simulation-as-a-service for high school STEM education. Simulation Modelling Practice and Theory, 2015, 58, 255-273. | 2.2 | 23 |
| 31 | Simplifying Autonomic Enterprise Java Bean Applications Via Model-Driven Development: A Case Study. Lecture Notes in Computer Science, 2005, , 601-615. | 1.0 | 23 |
| 32 | A Platform-Independent Component Modeling Language for Distributed Real-time and Embedded Systems. Journal of Computer and System Sciences, 2007, 73, 171-185. | 0.9 | 22 |
| 33 | A multi-layered resource management framework for dynamic resource management in enterprise DRE systems. Journal of Systems and Software, 2007, 80, 984-996. | 3.3 | 22 |
| 34 | The design and performance of component middleware for QoS-enabled deployment and configuration of DRE systems. Journal of Systems and Software, 2007, 80, 668-677. | 3.3 | 21 |
| 35 | Distributed Real-Time Managed Systems: A Model-Driven Distributed Secure Information Architecture Platform for Managed Embedded Systems. IEEE Software, 2014, 31, 62-69. | 2.1 | 21 |
| 36 | Performance Interference-Aware Vertical Elasticity for Cloud-Hosted Latency-Sensitive Applications. , 2018, , . | | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Generators for Synthesis of QoS Adaptation in Distributed Real-Time Embedded Systems. Lecture Notes in Computer Science, 2002, , 236-251. | 1.0 | 21 |
| 38 | Model-Driven Program Transformation of a Large Avionics Framework. Lecture Notes in Computer Science, 2004, , 361-378. | 1.0 | 21 |
| 39 | A publish/subscribe middleware for dependable and real-time resource monitoring in the cloud. , 2012, , . | | 20 |
| 40 | F6COM: A component model for resource-constrained and dynamic space-based computing environments. , 2013, , . | | 20 |
| 41 | URMILA: Dynamically trading-off fog and edge resources for performance and mobility-aware IoT services. Journal of Systems Architecture, 2020, 107, 101710. | 2.5 | 20 |
| 42 | Resiliency-Aware Deployment of SDN in Smart Grid SCADA: A Formal Synthesis Model. IEEE Transactions on Network and Service Management, 2021, 18, 1430-1444. | 3.2 | 20 |
| 43 | Model-Driven Configuration and Deployment of Component Middleware Publish/Subscribe Services. Lecture Notes in Computer Science, 2004, , 337-360. | 1.0 | 20 |
| 44 | Leveraging Application Frameworks. Queue, 2004, 2, 66-75. | 0.8 | 19 |
| 45 | Tools for Continuously Evaluating Distributed System Qualities. IEEE Software, 2010, 27, 65-71. | 2.1 | 19 |
| 46 | Managing Wireless Fog Networks using Software-Defined Networking. , 2017, , . | | 19 |
| 47 | QoS-Enabled Middleware. , 2005, , 131-162. | | 18 |
| 48 | Applying model-driven development to distributed real-time and embedded avionics systems. International Journal of Embedded Systems, 2006, 2, 142. | 0.2 | 18 |
| 49 | Middleware for Resource-Aware Deployment and Configuration of Fault-Tolerant Real-time Systems. , 2010, , . | | 18 |
| 50 | Supporting end-to-end quality of service properties in OMG data distribution service publish/subscribe middleware over wide area networks. Journal of Systems and Software, 2013, 86, 2574-2593. | 3.3 | 17 |
| 51 | CHARIOT: a domain specific language for extensible cyber-physical systems. , 2015, , . | | 17 |
| 52 | Linearize, predict and place. , 2019, , . | | 17 |
| 53 | An Approach to Middleware Specialization for Cyber Physical Systems. , 2009, , . | | 16 |
| 54 | Adapting Distributed Real-Time and Embedded Pub/Sub Middleware for Cloud Computing Environments. Lecture Notes in Computer Science, 2010, , 21-41. | 1.0 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Measuring the performance of communication middleware on high-speed networks. Computer Communication Review, 1996, 26, 306-317. | 1.5 | 15 |
| 56 | Model Driven Middleware. , 2005, , 163-187. | | 15 |
| 57 | Enabling Software-Defined Networking for Wireless Mesh Networks in smart environments. , 2016, , . | | 15 |
| 58 | Middleware R&D challenges for distributed real-time and embedded systems. ACM SIGBED Review, 2004, 1, 6-12. | 1.8 | 14 |
| 59 | A Randomized Control Trial Evaluating Efficacy of Nephrostomy Tract Infiltration with Bupivacaine After Tubeless Percutaneous Nephrolithotomy. Journal of Endourology, 2012, 26, 478-483. | 1.1 | 14 |
| 60 | Addressing the middleware configuration challenges using model-based techniques. , 2004, , . | | 13 |
| 61 | A QoS policy configuration modeling language for publish/subscribe middleware platforms. , 2007, , . | | 13 |
| 62 | Model-Driven Performance Analysis of Reconfigurable Conveyor Systems Used in Material Handling Applications. , 2011, , . | | 13 |
| 63 | Maximizing Vehicular Network Connectivity through an Effective Placement of Road Side Units Using Voronoi Diagrams. , 2012, , . | | 13 |
| 64 | Efficient and deterministic application deployment in component-based enterprise distributed real-time and embedded systems. Information and Software Technology, 2013, 55, 475-488. | 3.0 | 12 |
| 65 | CHARIOT. ACM Transactions on Cyber-Physical Systems, 2018, 2, 1-37. | 1.9 | 12 |
| 66 | An Integrated Model-Driven Development Environment for Composing and Validating Distributed Real-Time and Embedded Systems. , 2005, , 329-361. | | 12 |
| 67 | Performance Analysis of an Asynchronous Web Server. , 2006, , . | | 11 |
| 68 | Reliable Effects Screening: A Distributed Continuous Quality Assurance Process for Monitoring Performance Degradation in Evolving Software Systems. IEEE Transactions on Software Engineering, 2007, 33, 124-141. | 4.3 | 11 |
| 69 | Evaluating Real-Time Publish/Subscribe Service Integration Approaches in QoS-Enabled Component Middleware. , 2007, , . | | 11 |
| 70 | Infrastructure for component-based DDS application development. , 2011, , . | | 11 |
| 71 | Reactive stream processing for data-centric publish/subscribe. , 2015, , . | | 11 |
| 72 | Intelligent, Performance Interference-Aware Resource Management for IoT Cloud Backends. , 2016, , . | | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Scalable Edge Computing for Low Latency Data Dissemination in Topic-Based Publish/Subscribe. , 2018, , | | 11 |
| 74 | (WIP) CloudCAMP: Automating the Deployment and Management of Cloud Services. , 2018, , . | | 11 |
| 75 | URMILA: A Performance and Mobility-Aware Fog/Edge Resource Management Middleware. , 2019, , . | | 11 |
| 76 | FECBench: A Holistic Interference-aware Approach for Application Performance Modeling. , 2019, , . | | 11 |
| 77 | STRATUM: A BigData-as-a-Service for Lifecycle Management of IoT Analytics Applications. , 2019, , . | | 11 |
| 78 | Replicators: Transformations to Address Model Scalability. Lecture Notes in Computer Science, 2005, , 295-308. | 1.0 | 11 |
| 79 | A Study of Publish/Subscribe Middleware Under Different IoT Traffic Conditions. , 2020, , . | | 11 |
| 80 | On the Future of Cloud Engineering. , 2021, , . | | 11 |
| 81 | CoSMIC. , 2004, , . | | 10 |
| 82 | Preserving distributed systems critical properties: a model-driven approach. IEEE Software, 2004, 21, 32-40. | 2.1 | 10 |
| 83 | Model-Driven Engineering for Development-Time QoS Validation of Component-Based Software Systems. , 2007, , . | | 10 |
| 84 | Simplifying autonomic enterprise Java Bean applications via model-driven engineering and simulation. Software and Systems Modeling, 2007, 7, 3-23. | 2.2 | 10 |
| 85 | Timely Autonomic Adaptation of Publish/Subscribe Middleware in Dynamic Environments. International Journal of Adaptive Resilient and Autonomic Systems, 2011, 2, 1-24. | 0.3 | 10 |
| 86 | Supporting SIP-based end-to-end Data Distribution Service QoS in WANs. Journal of Systems and Software, 2014, 95, 100-121. | 3.3 | 10 |
| 87 | Teaching Computational Thinking Skills in C3STEM with Traffic Simulation. Lecture Notes in Computer Science, 2013, , 350-357. | 1.0 | 10 |
| 88 | Model-Driven Techniques for Evaluating the QoS of Middleware Configurations for DRE Systems. , 0, , . | | 9 |
| 89 | NetQoPE: A Model-Driven Network QoS Provisioning Engine for Distributed Real-time and Embedded Systems. , 2008, , . | | 9 |
| 90 | Data-centric publish/subscribe routing middleware for realizing proactive overlay software-defined networking. , 2016, , . | | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Towards a generic computation model for smart city platforms. , 2016, , . | | 9 |
| 92 | PADS: Design and Implementation of a Cloud-Based, Immersive Learning Environment for Distributed Systems Algorithms. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 20-31. | 3.2 | 9 |
| 93 | Applying Model Transformations to Optimizing Real-Time QoS Configurations in DRE Systems. Lecture Notes in Computer Science, 2009, , 18-35. | 1.0 | 9 |
| 94 | Context-specific middleware specialization techniques for optimizing software product-line architectures. , 2006, , . | | 8 |
| 95 | Impediments to Analytical Modeling of Multi-Tiered Web Applications. , 2010, , . | | 8 |
| 96 | Content-based filtering discovery protocol (CFDP). , 2014, , . | | 8 |
| 97 | iPlace: An Intelligent and Tunable Power- and Performance-Aware Virtual Machine Placement Technique for Cloud-Based Real-Time Applications. , 2014, , . | | 8 |
| 98 | DREMS ML: A wide spectrum architecture design language for distributed computing platforms. Science of Computer Programming, 2015, 106, 3-29. | 1.5 | 8 |
| 99 | Short Paper: Towards Low-Cost Indoor Localization Using Edge Computing Resources. , 2017, , . | | 8 |
| 100 | Transit-hub: a smart public transportation decision support system with multi-timescale analytical services. Cluster Computing, 2019, 22, 2239-2254. | 3.5 | 8 |
| 101 | Middleware Support for Dynamic Component Updating. Lecture Notes in Computer Science, 2005, , 978-996. | 1.0 | 8 |
| 102 | Composing and Deploying Grid Middleware Web Services Using Model Driven Architecture. Lecture Notes in Computer Science, 2002, , 633-649. | 1.0 | 8 |
| 103 | MDDPro: Model-Driven Dependability Provisioning in Enterprise Distributed Real-Time and Embedded Systems. Lecture Notes in Computer Science, 2007, , 127-144. | 1.0 | 8 |
| 104 | Evaluating Transport Protocols for Real-Time Event Stream Processing Middleware and Applications. Lecture Notes in Computer Science, 2009, , 614-633. | 1.0 | 8 |
| 105 | Integrating publisher/subscriber services in component middleware for distributed real-time and embedded systems. , 2004, , . | | 7 |
| 106 | WEAVING DEPLOYMENT ASPECTS INTO DOMAIN-SPECIFIC MODELS. International Journal of Software Engineering and Knowledge Engineering, 2006, 16, 403-424. | 0.6 | 7 |
| 107 | An Analytical Approach to Performance Analysis of an Asynchronous Web Server. Simulation, 2007, 83, 571-586. | 1.1 | 7 |
| 108 | Adapting and evaluating distributed real-time and embedded systems in dynamic environments. , 2010, , . | | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Supporting component-based failover units in middleware for distributed real-time and embedded systems. <i>Journal of Systems Architecture</i> , 2011, 57, 597-613. | 2.5 | 7 |
| 110 | Model-driven performance estimation, deployment, and resource management for cloud-hosted services. , 2013, , . | | 7 |
| 111 | Cyber Foraging and Offloading Framework for Internet of Things. , 2016, , . | | 7 |
| 112 | The configuration-oriented planning for fully declarative IT system provisioning automation. , 2016, , . | | 7 |
| 113 | Cloud Engineering Principles and Technology Enablers for Medical Image Processing-as-a-Service. , 2017, 2017, 127-137. | | 7 |
| 114 | Towards Middleware for Fault-Tolerance in Distributed Real-Time and Embedded Systems. <i>Lecture Notes in Computer Science</i> , 2008, , 72-85. | 1.0 | 7 |
| 115 | Design of a Scalable Reasoning Engine for Distributed, Real-Time and Embedded Systems. <i>Lecture Notes in Computer Science</i> , 2011, , 221-232. | 1.0 | 7 |
| 116 | Performance Analysis of a Middleware Demultiplexing Pattern. , 2007, , . | | 6 |
| 117 | A parameterized model transformations approach for automating middleware QoS configurations in distributed real-time and embedded systems. , 2007, , . | | 6 |
| 118 | Fault-Tolerance for Component-Based Systems - An Automated Middleware Specialization Approach. , 2009, , . | | 6 |
| 119 | CQML: Aspect-Oriented Modeling for Modularizing and Weaving QoS Concerns in Component-Based Systems. , 2009, , . | | 6 |
| 120 | Managing the quality of software product line architectures through reusable model transformations. , 2011, , . | | 6 |
| 121 | Real-time fault tolerant deployment and configuration framework for cyber physical systems. <i>ACM SIGBED Review</i> , 2013, 10, 32-32. | 1.8 | 6 |
| 122 | Performance management of high performance computing for medical image processing in Amazon Web Services. , 2016, 9789, . | | 6 |
| 123 | A Cloud-Based Immersive Learning Environment for Distributed Systems Algorithms. , 2016, , . | | 6 |
| 124 | An Autonomous and Dynamic Coordination and Discovery Service for Wide-Area Peer-to-peer Publish/Subscribe. , 2017, , . | | 6 |
| 125 | iTune: Engineering the Performance of Xen Hypervisor via Autonomous and Dynamic Scheduler Reconfiguration. <i>IEEE Transactions on Services Computing</i> , 2018, 11, 103-116. | 3.2 | 6 |
| 126 | A Model-Driven Approach to Automate the Deployment and Management of Cloud Services. , 2018, , . | | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Fault Tolerant Approaches for Distributed Real-time and Embedded Systems. , 2007, , . | | 5 |
| 128 | Model-Based IT Change Management for Large System Definitions with State-Related Dependencies. , 2014, , . | | 5 |
| 129 | Establishing Secure Interactions across Distributed Applications in Satellite Clusters. , 2014, , . | | 5 |
| 130 | Wide Area Network-scale Discovery and Data Dissemination in Data-centric Publish/Subscribe Systems. , 2015, , . | | 5 |
| 131 | Bootstrapping Software Defined Network for flexible and dynamic control plane management. , 2015, , . | | 5 |
| 132 | Rethinking the Design of LR-WPAN IoT Systems with Software-Defined Networking. , 2016, , . | | 5 |
| 133 | Algorithmic Enhancements to Big Data Computing Frameworks for Medical Image Processing. , 2017, , . | | 5 |
| 134 | Theoretical and empirical comparison of big data image processing with Apache Hadoop and Sun Grid Engine. Proceedings of SPIE, 2017, 10138, . | 0.8 | 5 |
| 135 | Understanding Performance Interference Benchmarking and Application Profiling Techniques for Cloud-hosted Latency-Sensitive Applications. , 2017, , . | | 5 |
| 136 | UPSARA: A Model-Driven Approach for Performance Analysis of Cloud-Hosted Applications. , 2018, , . | | 5 |
| 137 | FECBench: An Extensible Framework for Pinpointing Sources of Performance Interference in the Cloud-Edge Resource Spectrum. , 2018, , . | | 5 |
| 138 | Software-defined wireless mesh networking for reliable and real-time smart city cyber physical applications. , 2019, , . | | 5 |
| 139 | Model-driven Engineering for Early QoS Validation of Component-based Software Systems. Journal of Software, 2007, 2, . | 0.6 | 5 |
| 140 | Building a Cloud-Based Mobile Application Testbed. Advances in Computer and Electrical Engineering Book Series, 0, , 382-403. | 0.2 | 5 |
| 141 | CCMPerf: A Benchmarking Tool for CORBA Component Model Implementations. Real-Time Systems, 2005, 29, 281-308. | 1.1 | 4 |
| 142 | Applying aspect oriented programming to distributed storage metadata management. , 2007, , . | | 4 |
| 143 | POSAML: A Visual Modeling Framework for Middleware Provisioning. , 2007, , . | | 4 |
| 144 | High confidence software for cyber-physical systems. , 2007, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 145 | QUICKER: A Model-Driven QoS Mapping Tool for QoS-Enabled Component Middleware. , 2007, , . | | 4 |
| 146 | Automated Middleware QoS Configuration Techniques using Model Transformations. , 2007, , . | | 4 |
| 147 | POSAML: A visual modeling language for middleware provisioning. Journal of Visual Languages and Computing, 2007, 18, 359-377. | 1.8 | 4 |
| 148 | Model replication: transformations to address model scalability. Software - Practice and Experience, 2008, 38, 1475-1497. | 2.5 | 4 |
| 149 | Automated Middleware QoS Configuration Techniques for Distributed Real-time and Embedded Systems. , 2008, , . | | 4 |
| 150 | Model-based automation for hardware provisioning in IT infrastructure. , 2014, , . | | 4 |
| 151 | Reasoning for CPS Education Using Surrogate Simulation Models. , 2016, , . | | 4 |
| 152 | Work-in-Progress: Towards Real-Time Smart City Communications using Software Defined Wireless Mesh Networking. , 2018, , . | | 4 |
| 153 | A data colocation grid framework for big data medical image processing: backend design. , 2018, 10597, . | | 4 |
| 154 | Enabling Strong Isolation for Distributed Real-Time Applications in Edge Computing Scenarios. IEEE Aerospace and Electronic Systems Magazine, 2019, 34, 32-45. | 2.3 | 4 |
| 155 | Evaluating adaptive resource management for distributed real-time embedded systems. , 2005, , . | | 3 |
| 156 | Addressing crosscutting deployment and configuration concerns of distributed real-time and embedded systems via aspect-oriented & model-driven software development. , 2006, , . | | 3 |
| 157 | Performance evaluation of the reactor pattern using the OMNeT++ simulator. , 2006, , . | | 3 |
| 158 | Middleware specialization using aspect oriented programming. , 2006, , . | | 3 |
| 159 | A Generative Middleware Specialization Process for Distributed Real-Time and Embedded Systems. , 2011, , . | | 3 |
| 160 | Automating testing of service-oriented mobile applications with distributed knowledge and reasoning. , 2011, , . | | 3 |
| 161 | Towards a resilient deployment and configuration infrastructure for fractionated spacecraft. ACM SIGBED Review, 2013, 10, 29-32. | 1.8 | 3 |
| 162 | Analysis, verification, and management toolsuite for cyber-physical applications on time-varying networks. , 2014, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Enabling IoT Applications via Dynamic Cloud-Edge Resource Management. , 2017, , . | | 3 |
| 164 | Deep-Edge: An Efficient Framework for Deep Learning Model Update on Heterogeneous Edge. , 2020, , . | | 3 |
| 165 | QoS-Enabled Distributed Mutual Exclusion in Public Clouds. Lecture Notes in Computer Science, 2011, , 542-559. | 1.0 | 3 |
| 166 | Simultaneous Holmium Laser Enucleation of Prostate with Removal of the Permanent Prostatic Urethral Stent Using the High-Power Holmium Laser: Technique in Two Cases and Review of the Literature. Journal of Endourology Case Reports, 2020, 6, 438-441. | 0.3 | 3 |
| 167 | Predictable deployment in component-based enterprise distributed real-time and embedded systems. , 2011, , . | | 3 |
| 168 | FORMS: Feature-Oriented Reverse Engineering-based Middleware Specialization for Product-Lines. Journal of Software, 2011, 6, . | 0.6 | 3 |
| 169 | Model-Driven Automated Error Recovery in Cloud Computing. , 0, , 136-155. | | 3 |
| 170 | Towards Improving End-to-End Performance of Distributed Real-Time and Embedded Systems Using Baseline Profiles. Studies in Computational Intelligence, 2008, , 43-57. | 0.7 | 3 |
| 171 | A Model-Driven Performance Analysis Framework for Distributed, Performance-Sensitive Software Systems. , 0, , . | | 3 |
| 172 | Concern-Based Composition and Reuse of Distributed Systems. Lecture Notes in Computer Science, 2004, , 167-184. | 1.0 | 2 |
| 173 | Towards a QoS Modeling and Modularization Framework for Component-based Systems. , 2008, , . | | 2 |
| 174 | Evaluating the Correctness and Effectiveness of a Middleware QoS Configuration Process in Distributed Real-Time and Embedded Systems. , 2008, , . | | 2 |
| 175 | Automated Context-Sensitive Dialog Synthesis for Enterprise Workflows Using Templated Model Transformations. , 2008, , . | | 2 |
| 176 | CaDAnCE: A Criticality-Aware Deployment and Configuration Engine. , 2008, , . | | 2 |
| 177 | Model-driven specification of component-based distributed real-time and embedded systems for verification of systemic QoS properties. Parallel and Distributed Processing Symposium (IPDPS), Proceedings of the International Conference on, 2008, , . | 1.0 | 2 |
| 178 | Evaluating Timeliness and Accuracy Trade-offs of Supervised Machine Learning for Adapting Enterprise DRE Systems in Dynamic Environments. International Journal of Computational Intelligence Systems, 2011, 4, 806-816. | 1.6 | 2 |
| 179 | Improving the Reliability and Availability of Vehicular Communications Using Voronoi Diagram-Based Placement of Road Side Units. , 2012, , . | | 2 |
| 180 | A cloud-enabled coordination service for internet-scale OMG DDS applications. , 2014, , . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Poster Abstract: A Distributed and Resilient Platform for City-Scale Smart Systems. , 2016, , . | | 2 |
| 182 | DREMS-OS: An Operating System for Managed Distributed Real-Time Embedded Systems. , 2017, , . | | 2 |
| 183 | EXPPO: EXecution Performance Profiling and Optimization for CPS Co-simulation-as-a-Service. Journal of Systems Architecture, 2021, 118, 102189. | 2.5 | 2 |
| 184 | Designing a Resilient Deployment and Reconfiguration Infrastructure for Remotely Managed Cyber-Physical Systems. Lecture Notes in Computer Science, 2016, , 88-104. | 1.0 | 2 |
| 185 | A Monocular Vision-based Obstacle Avoidance Android/Linux Middleware for the Visually Impaired. , 2019, , . | | 2 |
| 186 | Timely Autonomic Adaptation of Publish/Subscribe Middleware in Dynamic Environments. , 0, , 172-195. | | 2 |
| 187 | Building a Cloud-Based Mobile Application Testbed. , 2013, , 879-899. | | 2 |
| 188 | Concern Separation for Adaptive QoS Modeling in Distrubed Real-Time Embedded Systems. , 2010, , 85-113. | | 2 |
| 189 | LEESA: Embedding Strategic and XPath-Like Object Structure Traversals in C++. Lecture Notes in Computer Science, 2009, , 100-124. | 1.0 | 2 |
| 190 | A Component Assignment Framework for Improved Capacity and Assured Performance in Web Portals. Lecture Notes in Computer Science, 2009, , 671-689. | 1.0 | 2 |
| 191 | Overcoming Stealthy Adversarial Attacks on Power Grid Load Predictions Through Dynamic Data Repair. Lecture Notes in Computer Science, 2020, , 102-109. | 1.0 | 2 |
| 192 | Model-driven integration of federated event services in real-time component middleware. , 2004, , . | | 1 |
| 193 | Towards highly optimized real-time middleware for software product-line architectures. ACM SIGBED Review, 2006, 3, 13-16. | 1.8 | 1 |
| 194 | Model-Driven Performance Analysis Methodology for Distributed Software Systems. , 2007, , . | | 1 |
| 195 | Maximizing Service Uptime of Smartphone-Based Distributed Real-Time and Embedded Systems. , 2011, , . | | 1 |
| 196 | Rectifying orphan components using group-failover in distributed real-time and embedded systems. , 2011, , . | | 1 |
| 197 | MoPED: A Model-Based Provisioning Engine for Dependability in Component-Based Distributed Real-Time Embedded Systems. , 2011, , . | | 1 |
| 198 | Transitioning to the cloud?. , 2012, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 199 | MDHPCL 2012workshop summary. , 2012, , . | | 1 |
| 200 | Reliable Distributed Real-Time and Embedded Systems through Safe Middleware Adaptation. , 2012, , . | | 1 |
| 201 | A framework for Broker placement in vehicular ad hoc Networks. , 2012, , . | | 1 |
| 202 | Design considerations in developing a mobile application for scalable and decentralized publish/subscribe-based weather alert system. , 2013, , . | | 1 |
| 203 | Resolving priority inversions in composable conveyor systems. Journal of Systems Architecture, 2014, 60, 509-518. | 2.5 | 1 |
| 204 | WiP Abstract: Platform for Designing and Managing Resilient and Extensible CPS. , 2016, , . | | 1 |
| 205 | Technology Enablers for Big Data, Multi-Stage Analysis in Medical Image Processing. , 2018, , . | | 1 |
| 206 | Poster Abstract: Ensuring Low-Latency and Scalable Data Dissemination for Smart-City Applications. , 2018, , . | | 1 |
| 207 | Supporting fog/edge-based cognitive assistance IoT services for the visually impaired. , 2019, , . | | 1 |
| 208 | A Model-driven Middleware Integration Approach for Performance-Sensitive Distributed Simulations. , 2020, , . | | 1 |
| 209 | Optimizing Integrated Application Performance with Cache-Aware Metascheduling. Lecture Notes in Computer Science, 2011, , 432-450. | 1.0 | 1 |
| 210 | Design and Transformation of a Domain-Specific Language for Reconfigurable Conveyor Systems. , 0, , 553-571. | | 1 |
| 211 | Simulation-Based Optimization as a Service for Dynamic Data-Driven Applications Systems. , 2018, , 589-614. | | 1 |
| 212 | Tools and Techniques for Privacy-aware, Edge-centric Distributed Deep Learning. , 2020, , . | | 1 |
| 213 | Transparent fault tolerance for CORBA based distributed components (poster session). , 2000, , . | | 0 |
| 214 | Visual OS. , 2005, , . | | 0 |
| 215 | Supporting systems QoS design and evolution through model transformations. , 2007, , . | | 0 |
| 216 | Enhancing Enterprise User Productivity with Embedded Context-Aware Voice Applications. , 2007, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 217 | A real-time publish/subscribe driver alert system for accident avoidance due to red light running. , 2009, , . | | 0 |
| 218 | Component Replication Based on Failover Units. , 2009, , . | | 0 |
| 219 | Model-driven engineering. , 2010, , . | | 0 |
| 220 | Middleware Specialization for Product-Lines Using Feature-Oriented Reverse Engineering. , 2010, , . | | 0 |
| 221 | A capacity planning framework for event brokers in intelligent transportation cyber physical systems. , 2011, , . | | 0 |
| 222 | SIP-based QoS support architecture and session management for DDS-based distributed real-time and embedded. , 2011, , . | | 0 |
| 223 | Using Template Metaprogramming to Enhance Reuse in Visitor-Based Model Interpreters. , 2012, , . | | 0 |
| 224 | Infrastructure for component-based DDS application development. ACM SIGPLAN Notices, 2012, 47, 53-62. | 0.2 | 0 |
| 225 | WiP Abstract: TCP Congestion Control Principles for Highly Available Reconfigurable Conveyor Systems. , 2012, , . | | 0 |
| 226 | WiP Abstract: A Closed Loop Control Architecture to Maintain Patient Normothermia during Perioperative Periods. , 2012, , . | | 0 |
| 227 | Intelligent power- and performance-aware tradeoffs for multicore servers in cloud data centers. , 2013, , . | | 0 |
| 228 | DRE system performance optimization with the SMACK cache efficiency metric. Journal of Systems and Software, 2014, 98, 25-43. | 3.3 | 0 |
| 229 | Scalable and Adaptive Software Defined Network Management for Cloud-hosted Group Communication Applications. , 2017, , . | | 0 |
| 230 | Cybermanufacturing in the shared economy. , 2017, , . | | 0 |
| 231 | A Formal Model for Resiliency-Aware Deployment of SDN: A SCADA-Based Case Study. , 2019, , . | | 0 |
| 232 | EXPPO: EXecution Performance Profiling and Optimization for CPS Co-simulation-as-a-Service. , 2020, , . | | 0 |
| 233 | Evaluating Timeliness and Accuracy Trade-offs of Supervised Machine Learning for Adapting Enterprise DRE Systems in Dynamic Environments. International Journal of Computational Intelligence Systems, 2011, 4, 806. | 1.6 | 0 |
| 234 | A SIP-Based Network QoS Provisioning Framework for Cloud-Hosted DDS Applications. Lecture Notes in Computer Science, 2011, , 507-524. | 1.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 235 | Design and Transformation of a Domain-Specific Language for Reconfigurable Conveyor Systems. , 2014, , 551-569. | | 0 |
| 236 | Quantitative Productivity Analysis of a Domain-Specific Modeling Language. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2015, , 313-344. | 0.5 | 0 |
| 237 | Software-defined Adaptive Resource Management for Cloud-hosted Group Communication Applications. , 2017, , . | | 0 |
| 238 | Productivity Analysis of the Distributed QoS Modeling Language. , 0, , 156-176. | | 0 |