1. **An Intelligent Traffic Load Prediction Based Adaptive Channel Assignment Algorithm in SDN-IoT: A Deep Learning Approach**

**Fengxiao Tang; Zubair Md. Fadlullah; Bomin Mao; Nei Kato**

**@ARTICLE{8361420,**

**author={F. Tang and Z. M. Fadlullah and B. Mao and N. Kato},**

**journal={IEEE Internet of Things Journal},**

**title={An Intelligent Traffic Load Prediction Based Adaptive Channel Assignment Algorithm in SDN-IoT: A Deep Learning Approach},**

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**keywords={Channel allocation;Control systems;Internet of Things;Machine learning;Prediction algorithms;Routing;Sensors;Deep learning;Internet of Things (IoT);Partially Overlapping Channel Assignment (POCA);Software Defined Network (SDN);traffic load prediction.},**

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1. **Hybrid-LRU Caching for Optimizing Data Storage and Retrieval in Edge Computing-Based Wearable Sensors**

**Gangyong Jia; Guangjie Han; Hongtianchen Xie; Jiaxin Du**

**@ARTICLE{8356731,**

**author={G. Jia and G. Han and H. Xie and J. Du},**

**journal={IEEE Internet of Things Journal},**

**title={Hybrid-LRU Caching for Optimizing Data Storage and Retrieval in Edge Computing-Based Wearable Sensors},**

**year={2018},**

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**number={},**

**pages={1-1},**

**keywords={Energy consumption;Internet of Things;Memory architecture;Phase change random access memory;Wearable sensors;Writing;LRU.;cache policy;hybrid memory architecture;phase change memory},**

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1. **Real-Time Awareness Scheduling for Multimedia Big Data Oriented In-Memory Computing**

**Jianwen Xu; Kaoru Ota; Mianxiong Dong**

**@ARTICLE{8283555,**

**author={J. Xu and K. Ota and M. Dong},**

**journal={IEEE Internet of Things Journal},**

**title={Real-Time Awareness Scheduling for Multimedia Big Data Oriented In-Memory Computing},**

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**keywords={Big Data;Multimedia communication;Multimedia computing;Real-time systems;Sensors;Servers;Wireless sensor networks;In-Memory Processing.;Internet of Things;Multimedia Big Data;Scheduling Method},**

**ISSN={},**

**month={},}**

1. **A Dynamic Programming Algorithm for High-Level Task Scheduling in Energy Harvesting IoT**

**Antonio Caruso; Stefano Chessa; Soledad Escolar; Xavier del Toro; Juan Carlos López**

**@ARTICLE{8344447,**

**author={A. Caruso and S. Chessa and S. Escolar and X. del Toro and J. C. López},**

**journal={IEEE Internet of Things Journal},**

**title={A Dynamic Programming Algorithm for High-Level Task Scheduling in Energy Harvesting IoT},**

**year={2018},**

**volume={5},**

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**pages={2234-2248},**

**keywords={Dynamic programming;Energy harvesting;Heuristic algorithms;Scheduling;Scheduling algorithms;Task analysis;Dynamic programming;energy harvesting sensor networks;scheduling},**

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**month={June},}**

1. **DEBTS: Delay Energy Balanced Task Scheduling in Homogeneous Fog Networks**

**Yang Yang; Shuang Zhao; Wuxiong Zhang; Yu Chen; Xiliang Luo; Jun Wang**

**@ARTICLE{8331084,**

**author={Y. Yang and S. Zhao and W. Zhang and Y. Chen and X. Luo and J. Wang},**

**journal={IEEE Internet of Things Journal},**

**title={DEBTS: Delay Energy Balanced Task Scheduling in Homogeneous Fog Networks},**

**year={2018},**

**volume={5},**

**number={3},**

**pages={2094-2106},**

**keywords={Computational modeling;Delays;Energy consumption;Peer-to-peer computing;Scheduling;Task analysis;Wireless communication;Energy consumption;Internet of Things (IoT);fifth-generation (5G);fog networks;service delay;task scheduling},**

**ISSN={},**

**month={June},}**

1. **Application Aware Workload Allocation for Edge Computing based IoT**

**Qiang Fan; Nirwan Ansari**

**@ARTICLE{8336866,**

**author={Q. Fan and N. Ansari},**

**journal={IEEE Internet of Things Journal},**

**title={Application Aware Workload Allocation for Edge Computing-Based IoT},**

**year={2018},**

**volume={5},**

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**pages={2146-2153},**

**keywords={Cloud computing;Delays;Edge computing;Internet of Things;Quality of service;Resource management;Time factors;Cloudlet;Internet of Things (IoT);edge computing;resource allocation;workload allocation},**

**ISSN={},**

**month={June},}**

1. **Energy-Efficient User Scheduling and Power Allocation for NOMA based Wireless Networks with Massive IoT Devices**

**Daosen Zhai; Ruonan Zhang; Lin Cai; Bin Li; Yi Jiang**

**@ARTICLE{8318569,**

**author={D. Zhai and R. Zhang and L. Cai and B. Li and Y. Jiang},**

**journal={IEEE Internet of Things Journal},**

**title={Energy-Efficient User Scheduling and Power Allocation for NOMA-Based Wireless Networks With Massive IoT Devices},**

**year={2018},**

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**pages={1857-1868},**

**keywords={Complexity theory;Dynamic scheduling;Interference;Internet of Things;NOMA;Optimization;Resource management;Branch-and-bound;multiple access;nonorthogonal user scheduling;power allocation;stochastic optimization},**

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# Current/Past Issue

1. **Energy Efficient Resource Allocation Algorithm in Energy Harvesting-Based D2D Heterogeneous Networks**

**Zhufang Kuang; Gang Liu; Gongqiang Li; Xiaoheng Deng**

**@ARTICLE{8370643,**

**author={Z. Kuang and G. Liu and G. Li and X. Deng},**

**journal={IEEE Internet of Things Journal},**

**title={Energy Efficient Resource Allocation Algorithm in Energy Harvesting-Based D2D Heterogeneous Networks},**

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**keywords={5G mobile communication;Cellular networks;Device-to-device communication;Downlink;Energy harvesting;Internet of Things;Resource management;D2D communication;Energy harvesting;convex optimization;energy efficiency.;resource allocation},**

**ISSN={},**

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1. **Distributed Node Coordination for Real-Time Energy-Constrained Control in Wireless Sensor and Actuator Networks**

**Lei Mo; Xianghui Cao; Yeqiong Song; Angeliki Kritikakou**

**@ARTICLE{8361405,**

**author={L. Mo and X. Cao and Y. Song and A. Kritikakou},**

**journal={IEEE Internet of Things Journal},**

**title={Distributed Node Coordination for Real-Time Energy-Constrained Control in Wireless Sensor and Actuator Networks},**

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**keywords={Wireless sensor and actuator networks;convergence analysis.;delay;distributed coordination;energy},**

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