* **Cloud/Edge Resource Scheduling, Cloud Native (邱建军、周俊松、王锡龙)**

1. Nomad: An Efficient Consensus Approach for Latency-Sensitive Edge-Cloud Applications
2. \*A Distributed Orchestration Algorithm for Edge Computing Resources with Guarantees
3. Dynamic Pricing and Capacity Allocation of UAV-provided Mobile Services
4. No Regret in Cloud Resources Reservation with Violation Guarantees
5. Pairwise Markov Chain: A Task Scheduling Strategy for Privacy-Preserving SIFT on Edge
6. Fog-based Data Offloading in Urban IoT Scenarios
7. \*Joint Offloading Decision and Resource Allocation with Uncertain Task Computing Requirement
8. An Online Market Mechanism for Edge Emergency Demand Response via Cloudlet Control
9. \*Wireless and Computing Resource Allocation for Selfish Computation Offloading in Edge Computing
10. Hetero-Edge: Orchestration of Real-time Vision Applications on Heterogeneous Edge Clouds
11. Intelligent Edge-Assisted Crowdcast with Deep Reinforcement Learning for Personalized QoE
12. Zooming in on Wide-area Latencies to a Global Cloud Provider (SIGCOMM’19)
13. Elmo: source routed multicast for public clouds (SIGCOMM’19)
14. \*Bridging the data charging gap in the cellular edge (SIGCOMM’19)

* **Job/Task Scheduling (汪良媛、金慧)**

1. Task Replication for Vehicular Cloud: Contextual Combinatorial Bandit with Delayed Feedback
2. Online Job Scheduling with Resource Packing on a Cluster of Heterogeneous Servers
3. \*Scheduling Jobs with Random Resource Requirements in Computing Clusters
4. A General Model for Minimizing Age of Information at Network Edge for IoT Applications
5. \*Age of Information-aware Scheduling for Timely and Scalable Internet of Things Applications
6. Only Those Requested Count: Proactive Scheduling Polices for Minimizing Effective Age-of-Information
7. \*When Network Matters: Data Center Scheduling with Network Tasks
8. A Flexible Distributed Optimization Framework for Service of Concurrent Tasks in Processing Networks
9. \*Dedas: Online Task Dispatching and Scheduling with Bandwidth Constraint in Edge Computing
10. Deep Learning-based Job Placement in Distributed Machine Learning Clusters
11. Meet-in-the-Middle: An Integrated Top-down and Bottom-up Task Allocation Approach in Social Sensing based Edge Computing Systems
12. A Truthful FPTAS Mechanism for Emergency Demand Response in Colocation Data Centers
13. Routing in Black Box: Modularized Load Balancing for Multipath Data Center Networks

* **Service Placement, NFV, SDN (腾美艳、李浩)**

1. \*Service Placement and Request Scheduling for Data-intensive Applications in Edge Clouds
2. Service Scheduling for Bernoulli Requests and Quadratic Cost
3. \*Service Placement with Provable Guarantees in Heterogeneous Edge Computing Systems
4. A Near Optimal Reliable Composition Approach for Geo-Distributed Latency-Sensitive Service Chains
5. \*Adaptive Interference-Aware VNF Placement for Service-Customized 5G Network Slices
6. Adaptive User-managed Service Placement for Mobile Edge Computing: An Online Learning Approach
7. \*Joint Service Placement and Request Routing in Multi-cell Mobile Edge Computing Networks
8. Load Balancing for Interdependent IoT Microservices
9. Octans: Optimal Placement of Service Function Chains in Many-Core Systems
10. Towards Measuring Quality of Service in Untrusted Multi-Vendor Service Function Chains: Balancing Security and Resource Consumption
11. Winning at the Starting Line: Joint Network Selection and Service Placement for Mobile Edge Computing

* **Big Data Management, Data-intensive Applications (李慧杰、郁华艳)**

1. Data-Intensive Routing in Delay-Tolerant Networks
2. APRIL: An Application-Aware, Predictive and Intelligent Load Balancing Solution for Data-Intensive Science
3. Pricing for Revenue Maximization in IoT Data Markets: An Information Design Perspective
4. Quick and Accurate False Data Detection in Mobile Crowd Sensing
5. \*Efficient Indexing Mechanism for Unstructured Data Sharing Systems in Edge Computing
6. Hysteresis-based Active Queue Management for TCP Traffic in Data Centers
7. \*Learning scheduling algorithms for data processing clusters (SIGCOMM’19)

* **New Devices and Architecture: NVM, RDMA (李慧杰、周俊松)**

1. \*HyCloud: Tweaking Hybrid Cloud Storage Services for Cost-Efficient Filesystem Hosting
2. Memory flipping: a threat to NUMA virtual machines in the Cloud
3. TTL-based Cloud Caches
4. Memory/Disk Operation aware Lightweight VM Live Migration across Data-centers with Low Performance Impact
5. \*Fast, Scalable, and Programmable Packet Scheduler in Hardware (SIGCOMM’19)

* **Privacy/Security (有兴趣可以阅读)**

1. A Blockchain based Witness Model for Trustworthy Cloud Service Level Agreement Enforcement
2. Strongly Secure and Efficient Range Queries in Cloud Databases under Multiple Keys
3. Tweeting with Sunlight: Encoding Data on Mobile Objects