

## Research outputs

### **Energy Efficient Resource Allocation in UAV-Enabled Mobile Edge Computing Networks**

Yang, Z., Pan, C., Wang, K. & Shikh-Bahaei, M., 1 Sep 2019, In: IEEE Transactions on Wireless Communications. 18, 9, p. 4576-4589 14 p.

### **Secure Communications for UAV-Enabled Mobile Edge Computing Systems**

Zhou, Y., Pan, C., Yeoh, P. L., Wang, K., Elkashlan, M., Vucetic, B. & Li, Y., Jan 2020, In: IEEE Transactions on Communications. 68, 1, p. 376-388 13 p.

### **Differential Evolution with a Variable Population Size for Deployment Optimization in a UAV-Assisted IoT Data Collection System**

Huang, P-Q., Wang, Y., Wang, K. & Yang, K., 1 Jun 2020, In: IEEE Transactions on Emerging Topics in Computational Intelligence. 4, 3, p. 324-335 12 p.

### **Joint Resources and Workflow Scheduling in UAV-Enabled Wirelessly-Powered MEC for IoT Systems**

Du, Y., Yang, K., Wang, K., Zhang, G., Zhao, Y. & Chen, D., 18 Oct 2019, In: IEEE Transactions on Vehicular Technology. 68, 10, p. 10187-10200 14 p.

### **Joint Deployment and Task Scheduling Optimization for Large-Scale Mobile Users in Multi-UAV Enabled Mobile Edge Computing**

Wang, Y., Ru, Z-Y., Wang, K. & Huang, P-Q., Sep 2020, In: IEEE Transactions on Cybernetics. 50, 9, p. 3984-3997 14 p., 8833501.

### **Unified Offloading Decision Making and Resource Allocation in ME-RAN**

Wang, K., Huang, P., Yang, K., Pan, C. & Wang, J., Aug 2019, In: IEEE Transactions on Vehicular Technology. 68, 8, p. 8159-8172

### **A Bilevel Optimization Approach for Joint Offloading Decision and Resource Allocation in Cooperative Mobile Edge Computing**

Huang, P., Wang, Y., Wang, K. & Liu, Z-Z., Oct 2020, In: IEEE Transactions on Cybernetics. 50, 10, p. 4228-4241 14 p.

### **Dynamic Resource Scheduling in Mobile Edge Cloud with Cloud Radio Access Network**

Wang, X., Wang, K., Wu, S., Di, S., Jin, H., Yang, K. & Ou, S., 1 Nov 2018, In: IEEE Transactions on Parallel and Distributed Systems. 29, 11, p. 2429-2445

### **Joint Energy Minimization and Resource Allocation in C-RAN with Mobile Cloud**

Wang, K., Yang, K. & Magurawalage, C. S., 1 Jul 2018, In: IEEE Transactions on Cloud Computing. 6, 3, p. 760-770

### **MIMO Channel Information Feedback Using Deep Recurrent Network**

Lu, C., Xu, W., Shen, H., Zhu, J. & Wang, K., Jan 2019, In: IEEE Communications Letters. 23, 1, p. 188-191