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SPECIAL ISSUE ON:
UAV-Enabled Mobile Edge Computing

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With the emergence of various new applications (e.g., virtual reality, online games, smart transportation), mobile edge computing (MEC) has become as an effective solution to help mobile devices deal with computation-intensive and delay-sensitive tasks. Meanwhile, unmanned aerial vehicles (UAVs)-enabled MEC has attracted lots of research attention due to UAVs’ mobility, flexibility, and maneuverability. When the terrestrial infrastructures are damaged or communication traffics are congested, UAVs equipped with computation capability can be quickly deployed as aerial computation servers to meet the temporary and/or unexpected demands. Among the possible applications, the UAV-enabled MEC can particularly play an important role in disaster response, emergency relief or military scenarios, which are in the absence of available terrestrial infrastructures. This Special Issue brings together the latest research and innovation on UAV-enabled mobile edge computing.

Topics of interest include, but are not limited to:

- New opportunities/challenges/use cases for UAV-enabled MEC
- Protocols and architectures for UAV-enabled MEC
- Computation offloading for UAV-enabled MEC
- UAV’s trajectory design for UAV-enabled MEC
- Spectrum management and multiple access schemes for UAV-enabled MEC
- Energy efficiency, energy harvesting, power management, and green operation
- MIMO/massive MIMO/millimeter wave technologies for UAV-enabled MEC
- Signaling and Quality of Service provisioning for UAV-enabled MEC
- Joint optimization of networking, caching and computing for UAV-enabled MEC
- Machine learning and artificial intelligence for UAV-enabled MEC

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