IoT-Enhanced Human Experience (Jan/Feb 2018)
Internet of Things (IoT)-enabled applications now support the needs and interests of individuals, enterprises, and society. They impact lives, change businesses, and enhance the human experience. This special issue will focus on applications that are deployed and preferably tested and evaluated in real-world situations, where IoT data is an indispensable component. Apart from physical devices (sensors/IoTs), such applications might also involve citizen sensing (for example, human-supplied observations or data using a mobile app), social data, and interactions with humans; the applications might also seek or use human guidance.

Healthcare Informatics and Privacy (March/April 2018)
The digital transformation of healthcare on the Internet has been rapid and explosive. The Internet has enabled transfer and communication of healthcare data but also enabled delivery of healthcare services and apps, connecting patients and healthcare providers together. This special issue will address theoretical and applied research related to the privacy, security, and compliance of Internet-specific healthcare data, transactions, apps, services, and systems.

Connected and Autonomous Vehicles (May/June 2018)
The connected and autonomous vehicle research field is a highly active area of research, development, standardization, and field trials. Throughout the world, many national and international projects in government, industry, and academia are devoted to connected vehicles or autonomous driving vehicles. Multiple relevant industry standards and consortia are being created to prepare for the maturity of these emerging technologies. This special issue disseminates the latest research results, providing a snapshot of the state of the art in such advanced systems.

Evolution of Rack-Scale Systems (July/August 2018)
Internet computing encompasses everything from the mice (the Internet of Things) to the elephants (rack-scale systems consisting of multiple tightly-coupled computer systems). This issue focuses on the elephants in the room, investigating recent changes in the evolution of rack-scale systems, while also discussing what’s expected to change in the coming years. What are the new applications to make use of these systems? What are the changes to the system software stack? How are the underlying technologies being used to advance Internet applications and services? What changes are necessary going forward?

Network Neutrality and Its Impact on Innovation (November/December 2018)
Network neutrality (NN) is essential for ensuring a level playing field for the development of new applications and services on the Internet. Cloud services, over-the-top (OTT) services, and Internet of Things (IoT) devices and software are examples of applications and services that need NN to adequately flourish in the future. This special issue offers contributions from the research and industrial communities addressing topics within this area.