

## Editorial

We bring the last issue of this volume of the **Signals and Telecommunication Journal**.

In the opening paper, **VCDC: A Hardware-Centric Solution for Predictable and High-Performance I/O Virtualisation in Many-Core Systems**,” the authors proposed a hardware-centric solution by integrating I/O virtualisation directly into the hardware layer, eliminating the reliance on software-based Virtual Machine Monitors (VMMs) and drivers. This model provided predictable, low-latency, and timing-accurate I/O operations by virtualizing physical I/O devices into multiple virtual interfaces, supported by a timing-accurate I/O controller.

In the second paper, **“Real-Time Packet Scheduling and Static Routing for Reliable Communication in Software-Defined Networks**,” the authors presented a Linux-based real-time packet scheduler designed to ensure reliable static routing in Software-Defined Networks (SDNs) for real-time distributed systems. The authors further proposed an active scheduling approach that enforces deadline-based policies directly on Software-Defined Network (SDN) switches. This work improved the real-time communication in distributed systems, ensuring predictability and reliability through proactive network control.

In the last paper, **“Extensive Improvement of Smartphone Display for Signal Reception**,” the authors created a set of general test cases using a well-known taxonomy for interactions to ensure general interaction patterns realizable with smartphones. The experimental results, with respect to time and user satisfaction, reveal both strengths and weaknesses in using the new interaction with the smartphone.

We hope to bring more research in the forthcoming volumes.

## Editors