

Editorial

We bring the last issue of the second volume of the **Digital Signal Processing and Artificial Intelligence for Automatic Learning** with the below research.

In the first paper, “**A framework for the digital Hilbert transformer with cascade realization**,” the authors proposed a framework for the digital Hilbert transformer that can limit 90-degree deviations. Further, they studied the cascade realization of the divisions of the structure to include phase sensitivity minimization of all-pass sections.

In the following paper, “**Blog technology to face personalization and collaboration issues**”, the authors have developed a new framework for organizing results in blog technology. While doing it, they faced the issues of personalization and collaboration. They intend to provide control to the end-user to help with learning.

In the last paper, “**Group theory and Fourier analysis of finite Abelian groups**”, the authors discussed how GPU processing can be used to construct tables of group characters for finite Abelian groups, represented as direct products of cyclic subgroups of order p , and how it can be used to redistribute related computing tasks across GPU resources. The results of the experiments show that the proposed solution provides a significant speed-up compared to the C / C++ C character construction method executed on the CPU.

We will bring more research into the forthcoming issues.

Editors