Large Scale Video Coding

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Message from the Guest Editors

Statistics show that 5 hours of video are uploaded to YouTube every second, while Facebook serves daily 100 millions of video hours. Although impressive, such figures are small if compared with the data collected by surveillance cameras: more than 2 billion of video hours per minute. Such a massive volume of data requires compression algorithms that are both efficient (in terms of compression ratio) and fast, two characteristics that are usually considered incompatible. The development of video coding algorithms that are suitable for such large scale applications is the objective of the research in Large Scale Video Coding (LSVC). Besides searching for fast implementation of high efficiency video coding standard (HEVC), research in LSVC tries also to leverage the existence of near-duplicate videos (NDVs) in large video collections, an approach that, albeit in its infancy, seems promising.

The aim of this special issue is to collect new results in the field of LSVC, bringing together the leading researchers in the field.

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Special Issue

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Message from the Editor-in-Chief

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