Digital Signal Processing at Saitama University

by

Prof. Prof. Tetsuya SHIMAMURA

Graduate School of Science and Engineering
Saitama University
255 Shimo-Okubo, Sakura-ku, Saitama City, Saitama 338-8570, JAPAN

Abstract:

Prof. Tetsuya Shimamura will present on-going digital signal processing research developed at Shimamura Laboratory from Saitama University. The talk will address results on speech and audio signal processing, image processing and communications Achievements on speech estimation, pitch detection, bone conduction, beamforming, speech and speaker recognition and watermarkimg will describe the work of Speech and Audio Group. Other results from Image Processing Group related to denoising, quality assessment and restoration will be shown. Finally, the talk will provide several key issues from Communications Group research activity: spectrum sensing, channel estimation, interference suppression and PAPR reduction for OFDM.