

1125-VW-1892 **Mohamed Allali*** (allali@chapman.edu). *Principal Component Analysis in Image Processing*.

Digital image processing is becoming a strong application area of modern mathematics. In this talk, I will show, through practical examples, how principal component analysis applied to digital images can be incorporated into many mathematics courses. This approach makes the courses more visual and interesting for instructors and students. (Received September 19, 2016)