

1116-VW-2039 **Mohamed Allali*** (allali@chapman.edu). *Partial Differential Equations and Digital Image Processing.*

Digital image processing is becoming a strong application area of modern mathematics. In this talk, I will show strong connections between partial differential equations and digital image processing through practical examples that can be incorporated into many mathematics courses. This approach makes the courses more visual and interesting for instructors and students. (Received September 21, 2015)