1135-VC-2693   **Mohamed Allali*** (`allali@chapman.edu`). *Image Analysis Using Mathematical Morphology.* Mathematical morphology is a theory and technique for the analysis and processing of geometrical structures. This theory can be developed in many different ways. In this talk, through adopting one standard method which uses operations on sets of points, I will show through some examples how morphology and digital images can be incorporated into some mathematics courses. Images are the most effective medium of human communication and, when processed under the control of students and teachers, they put mathematical ideas in an exciting new light. (Received September 26, 2017)