

USO DE 'DRONES' EN INGENIERÍA CIVIL

- « **Diadès : la science du diagnostic et l'ingénierie de la durabilité, au service des structures et ouvrages d'art de génie civil** » (may-2012). TRAVAUX, Fédération Nationale des Travaux Publics (FNTP).
- « **Inspection des ouvrages d'art par drone. Bilan et perspectives des travaux du LCPC** » (2008). François Derkx, Jean-Luc Sorin. [En la antigua Web del Laboratoire Central de Ponts et Chaussées (LCPC) se puede visionar un [vídeo de demostración](#) de 2005 ; en [este otro vídeo](#) se muestra "the capability of drone technology in bridge inspection- crack width of 0.1mm can be monitored from a distance of 20 m"].
- "**CALTRANS Bridge Inspection Aerial Robot. Advanced Highway Maintenance and Construction Program (AHMCT)**" (2008). University of California.
- "**Vision-Based Following of Structures Using an Unmanned Aerial Vehicle (UAV)**" (2006). Sivakumar Rathinam et al. University of California. [Institute of Transportation Studies. UC Berkeley].
- "**A UAV for bridge inspection: Visual servoing control law with orientation limits**" (2007). Najib Metnia, Tarek Hamel. AUTOMATION IN CONSTRUCTION.

Por otra parte, la Federal Highway Administration (FHWA) está firmando convenios con diversas Universidades americanas para que "drones watch over US highways" –"a step in the FAA's (Federal Aviation Administration) plan to open up U.S. civilian airspace to drones by 2015"–. Uno de estos convenios, "[Rise of the Drones](#)", se ha firmado en enero de 2013 con el Georgia Institute of Technology.

