



HPWREN First-Responder Activities

September 19, 2003

Solid-State High-Res HPWREN-Connected Cameras Provide Quick Access to Environmental Conditions

Two recent additions to HPWREN's camera systems include a four-camera 360-degree view on Mount Laguna and a 90+ degree view camera at the California Department of Forestry and Fire Protection (CDF) Ramona Air Attack Base.

Details: <http://hpwren.ucsd.edu/news/030919.html>

August 1, 2003

HPWREN Collaborates with SDSU to Link the San Diego Sheriff's Department with the County Fair

Last month, the HPWREN team provided a high-speed link to the San Diego County Fair so that the Sheriff's Department could test the capabilities of 45Mbps data connectivity during a major metropolitan event. Additionally, HPWREN researchers deployed a high-resolution network camera as well as a pan/tilt/zoom video camera, and also extended the network with another 45Mbps link from the Fair site to the Sheriff's communications operations base.

Details: <http://hpwren.ucsd.edu/news/030801.html>

July 25, 2003

HPWREN Provides Data Connectivity for Remote Wildfire Operations Site

On the afternoon of July 16, lightning ignited the Coyote Wildfire in northeastern San Diego County and more than 18,000 acres were lost by the time the fire was contained on July 23. Thanks to the HPWREN team, the firefighters at the remote operations site were provided with data connectivity for the week-long incident. This wireless high-speed data link allowed them to update wildfire status reports, images, and weather information in real-time.

Details: <http://hpwren.ucsd.edu/news/030725.html>

July 16, 2003

San Diego's CDF Air Attack Base Collaborates with HPWREN for Mountain Sensor Access to Monitor Fire Conditions

The HPWREN team recently connected the California Department of Forestry and Fire Protection (CDF) Ramona Air Attack Base in San Diego County to its high-speed network. This connectivity allows firefighters to collaborate on remotely accessing high-resolution still and controllable video cameras, as well as other sensors located throughout the county. Not having had high speed Internet access before, this link also provides access to Internet data - such as satellite mapping, infrared data, forest fuel conditions and weather at remote sensors in support of emergency situations. **Details:** <http://hpwren.ucsd.edu/news/030716.html>

July 7, 2003

San Diego Sheriff's Department Connects to HPWREN for Collaborative Evaluations of Emergency Data Communications Network Models

For the past several years, the HPWREN team has been collaborating with the San Diego County Sheriff's Department. Initially, the Sheriff's Department provided the HPWREN team with access to several of their remote communications sites throughout the county, which greatly helped with the buildout of the HPWREN backbone network. More recently, a direct connection to the Sheriff's Primary Systems Center (PSC) of its Regional Communications System enables the Sheriff's staff to experience firsthand the benefits of high performance wireless Internet data networks in remote areas.

Details: <http://hpwren.ucsd.edu/news/030707.html>

September 24, 2002

San Diego County Sheriff's Department, UCSD, SDSU, and SSC-San Diego Researchers Collaborate for Real-Time Sensor Telemetry Instrumentation Atop Laguna Mountains

Earlier this month, the HPWREN team participated in an activity that instrumented a Mount Laguna wireless communications facility with several real-time data sensors. Specifically, researchers affiliated with UCSD's HPWREN and ROADNet, SDSU's Field Stations Program, and SSC-San Diego's Crisis/Consequence Management Initiative deployed nine sensors that will allow for real-time environmental monitoring.

Details: <http://hpwren.ucsd.edu/news/020924.html>