

## Renovation and Seismic Retrofit of California Memorial Stadium (or How to Straddle the Hayward Fault with a Historic Structure)

### **SPEAKERS:**

Donald Wells, AMEC  
Jim French, AMEC  
Rene Vignos, Forell

### **LOCATION:**

Scott's Seafood  
2 Broadway  
Oakland, CA 94607

### **DATE & TIME:**

Thursday, Nov 7, 2013  
6:00pm - Reception  
6:30pm - Dinner  
7:00pm - Presentation

### **Cost:**

\$40 Non-student (with RSVP)  
\$10 Student (with RSVP)  
\$45 Non-student (at the door)  
\$15 Student (at the door)

### **REGISTRATION:**

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07e8edpdjde8871a45&oseq=&c=&ch=>

### **ABSTRACT:**

Renovation and Seismic Retrofit of California Memorial Stadium (or How to Straddle the Hayward Fault with a Historic Structure)

The California Memorial Stadium was constructed in 1922-1923 and is a National Historical Landmark Structure. This stadium was designed by John Galen Howard, houses several administrative offices and serves as the headquarters for football operations, and straddles the active Hayward fault. The University of California Berkeley recently completed a major project to renovate and retrofit Memorial Stadium, as well as to construct a new athletic training facility that wraps around the west side of the Stadium (the Simpson Center). The project faced significant design challenges, including mitigation for up to 6 feet of displacement on the Hayward Fault that bisects the structure, ground improvement for the deep fill along the buried channel of Strawberry Creek and a small valley under the north and south ends of the structure, strengthening of the historic outer wall of the Stadium, and integration of a new two-story press box on top of the western part of the stadium. The project also faced significant construction challenges, including preservation of the historic outer wall, coordination of work within the structure's footprint, construction of the press box above the western part of the stadium, minimizing impacts on the campus and neighborhoods surrounding the site, and a tight 20-month construction schedule.