



STANFORD UNIVERSITY  
IT SERVICES

# **BUILDING EVACUATION AND SCERT DRILLS**

October 23 2014

**Stanford** | IT Services

12 23

buildings  
evacuated

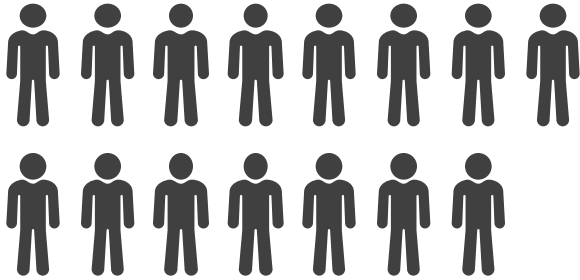
building  
assessments

25 2

of 30 casualties  
triaged (*stopped  
early to allow  
adequate time for live  
victim extrications*)

live victim  
extrications

107-3



## IT SCERT

Debbi Barley, Elma Buni, Blair Douglas, Jim Finch, Robin McClish, Jonathan McDermott, Patrick Murray, Tom Prussing, Matthew Ricks, Patrick Rocillo, Andrew Romey, Jane Tansuwan, Kevin Tully, Mark Tyx, Ross Wilper



## Stanford SCERT

Phyllis Grant (Risk Mgmt), Chester Manuel (LBRE), David Eisenberg (LBRE), Carol Hill (Dean of Research)



## Off-Campus CERT

Bill Bauriedel (Palo Alto CERT), Kent Soo Hoo (Redwood City CERT)



## SRI

Mariano Caundy, Chuck Der, Michael Wright



## Facebook

Luisa Rapport, Kyle Kobza



## Live Victims

Nan McKenna, Sara Yin-Somera



## Photographers

Adam Lewenberg, Thuylynh Nguyen



## Ham Radio Operations

Ben Carlucci, Rocco Petrunti, Lea Roberts



## Department of Public Safety

Vince Bergado, Annette Spicuzza

**09:05 – 09:22**

Building  
Evacuation Drill



**09:42 – 10:10**

BAT Teams (2)  
deployed



**10:40 – 11:45**

Live Victim  
Extrications (2)  
performed



**12:15 – 01:15**

Pack up ARK



**09:15 – 09:45**

SCERT Activation  
(briefing, check-in,  
assignments, equipment  
deployment)

**10:12 – 10:35**

Triage Teams (4)  
deployed

**11:45 – 12:15**

Debrief

# BUILDING EVACUATION DRILL



**Emergency Evacuation Building Roster - Redwood**

**Codes**

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| <b>Location</b>              | <b>A</b> Arc - heading to or at Arc/Jordan Quad |
| <b>P</b> Present at EAP      | <b>Status</b>                                   |
| <b>C</b> On Campus Somewhere | <b>T</b> Trapped - add details under Notes      |
| <b>O</b> Off Campus          | <b>I</b> Injured - add details under Notes      |
| <b>U</b> Unknown Location    |                                                 |

| #  | Name                  | Room #             | Email                             | P | C | O | U |
|----|-----------------------|--------------------|-----------------------------------|---|---|---|---|
| 1  | Alvazian, Dani        | G11/Walk from home | dalvaz@stanford.edu               |   |   |   |   |
| 2  | Alvarez, Rosy         | G23                | ralvarez@stanford.edu             | ✓ |   |   |   |
| 3  | Ayapitak, Sorriai     | G2                 | soyrai@stanford.edu               |   |   |   |   |
| 4  | Chong, Randall        | G10                | randall_chong@stanford.edu        | ✓ |   |   |   |
| 5  | Clebsch, William      | G14                | wclebsch@stanford.edu             |   |   |   |   |
| 6  | Drechsler, Bernadette | G23                | bernadette_drechsler@stanford.edu | ✓ |   |   |   |
| 7  | Freeman, Dawn         | G13                | dawn_freeman@stanford.edu         | ✓ |   |   |   |
| 8  | Freshwaters, John     | G11                | johnfw@stanford.edu               | ✓ |   |   |   |
| 9  | Goessinger, Liz       | G12                | lgo@stanford.edu                  | ✓ |   |   |   |
| 10 | Hofen, Jim            | G1 (they sleep...) | jhofen@stanford.edu               | ✓ |   |   |   |
| 11 | Kohn, Jay             | G15                | jkohn@stanford.edu                | ✓ |   |   |   |
| 12 | Kollias, Vasilis      | G21                | vkollias@stanford.edu             | ✓ |   |   |   |
| 13 | Maravilla, Maria      | G9                 | maria1@stanford.edu               | ✓ |   |   |   |



# SCERT OPERATIONS AND LOGISTICS



October 23 ITS SCERT Drill

Spruce Hall

Building Evacuation Underway

Casualties (3) Ambulatory Injured  
(1) Not Moving

Extensive Building Damage

Roof Collapse

DOC BAT/Triage Report

| Building      | Close | Open           | Damage                         | Triage                       |  |
|---------------|-------|----------------|--------------------------------|------------------------------|--|
| Polya Hall    | X     | <del>XXX</del> | Door Summer<br>crack on and    | 2 not 101<br>floor moving 11 |  |
| Pine Hall     | X     |                | Windows                        | 111 11                       |  |
| Carnegie Quad |       | X              | Window broken                  |                              |  |
| Ventura Hall  |       | X              | Windows<br>Smoke               | Multiple                     |  |
| Cordura Hall  |       | X              | Windows Brown<br>Visible Smoke |                              |  |
| Hospital      |       |                | Major Damage                   | evac<br>multiple COS         |  |
| Birch         | X     |                | ROOF                           | evac                         |  |
| Oak           | X     |                | Water                          | evac                         |  |



# SCERT MEDICAL OPERATIONS



SCERT LIVE EXTRICATION #1



SCERT LIVE EXTRICATION #2

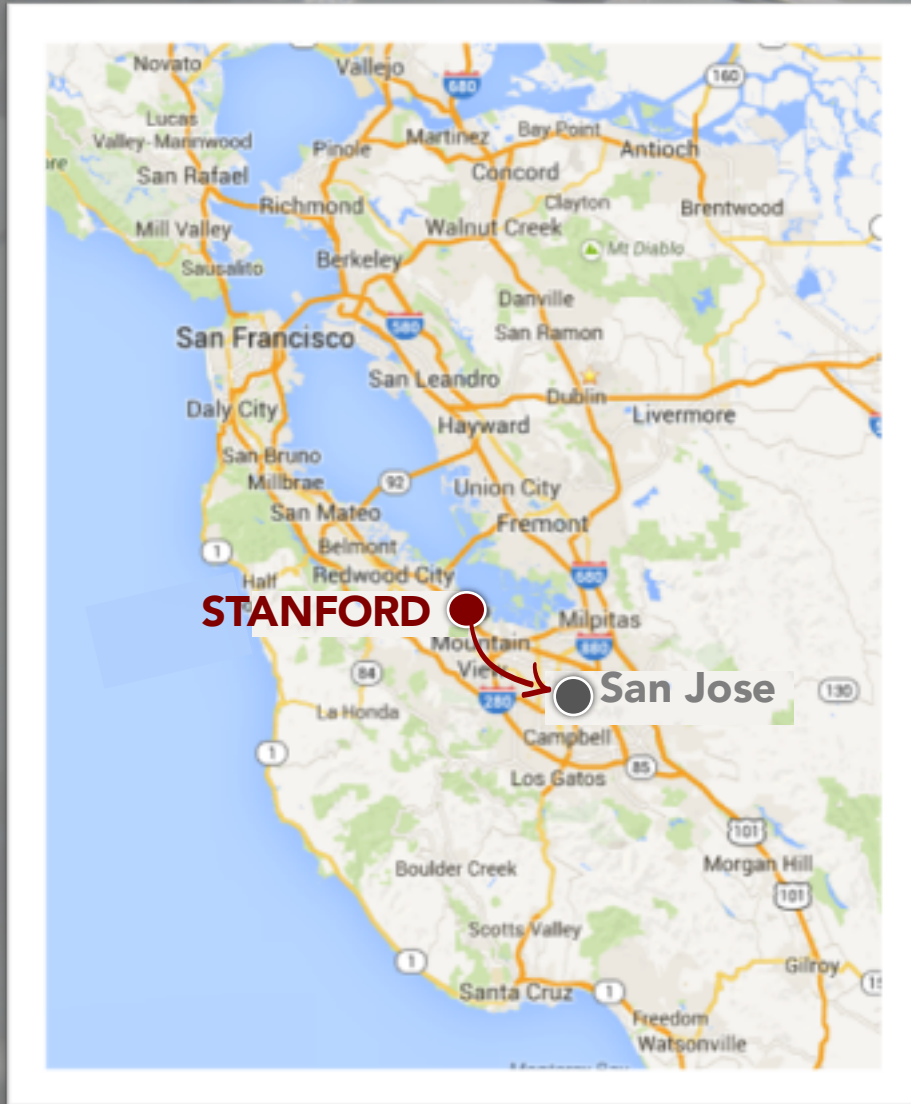


# SCERT DEBRIEF AND CLOSURE



## SCERT DEBRIEF AND CLOSURE





## PLUS

### *What Worked Well*

- Building rosters were easily accessible, well-organized and had clear instructions
- Drill was faster than last year
- Managers and co-workers were able to provide status on location of staff members
- Fire extinguishers were removed from the buildings through the evacuation

## DELTA

### *Areas for Improvement*

- Must keep building rosters up to date, and should include temporary staff on building rosters
- Should have pre-meeting with all EAP coordinators, and have back-ups
- Need to update the location of the EAP for Pine Hall
- Should hold the next drill in the afternoon, when there are more staff present

**PLUS***What Worked Well*

- Seamless integration of non-IT, off campus and corporate volunteers
- Addition of the 2nd story extrication, preceded by months of practice and validated by PAFD
- Inclusion of live victims
- Reaching San Jose via Ham Radio
- Two excellent photographers capturing images from the drill
- Recognition by DPS and external participants of organization and teamwork of volunteers

**DELTA***Areas for Improvement*

- Heavy radio traffic, must expand to more channels
- Must slow down, speak more concisely, and summarize in radio communication
- Must clarify and reinforce call signs
- Streamline briefing and check-in process
- Should separate triage from treatment
- Evaluate use of a T-Card System for personnel accountability
- ARK closure took longer due to needing to refill the water barrels



