Consultants' Network of Silicon Valley (CNSV)

June 12, 2012

About CNSV

- IEEE-CNSV has over 200 members
- Our website at CaliforniaConsultants.org includes profiles for all of our members
- You can search member profiles to find consultants
- These profiles are well-connected on the web
- Membership is very reasonable:
  - $100 for first year
  - $50 each year thereafter

CNSV Board of Directors

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IEEE Milestone Program

- Honors key historical achievements in electrical and electronic engineering
- Could be an invention, location or event
  - Invention: Integrated Circuit (1959; rcvd. milestone in 2009)
  - A location (SLAC; rcvd. milestone in 1984)
  - An event: First ARPANET transmission (1969; rcvd. milestone in 2009
- Other local milestones are RAMAC (1956), SPICE (1971) and HP-35 (1972)

IEEE Milestone Program (Cont.)

- The seventh local IEEE Milestone was approved in March
  - Floating Gate EEPROM (1976-1978)
  - Honors Eli Harari and the technology that underlies all NAND Flash memory (thin SiO2 and Fowler-Nordheim Tunneling)
  - It will be dedicated on Aug. 20 at the Computer History Museum in Mtn. View, and on Aug. 21 at Flash Memory Summit in Santa Clara

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IEEE Milestone Program (Cont.)

- Another milestone was approved for Bell Telephone Laboratories (1925-1984)
  - It was approved at the same time as the Floating Gate EEPROM milestone
  - It has been withdrawn due to disagreements about the 70-word citation

IEEE Milestone Program (Cont.)

- Bell Telephone Laboratories (1925-1984)
  - Citation: Bell Telephone Laboratories has made innovations to telecommunications and related fields that led to the digital era, including information theory, systems engineering, digital signal processing, digital transmission and switching, lightwave communication, cellular systems, the transistor, solar cells, CCD, integrated circuit technology, MBE, CO_2 laser, communication satellites, first transatlantic telephone cable, touch-tone dialing, direct distance dialing, foil electret microphone, UNIX, C language, and digital compression of voice, music, and video.