

Implementing Vision Feedback In A Closed Loop Servo For Robotics

Speaker Robert L. Kay

Wed February 1st, 2017 at 6:30 pm

Location: California Lutheran University, Gilbert Sports and Fitness Center

Meetings are free and open to the public

RSVP at [this link](#)



The coming generation of robotic products will need to incorporate vision as an inherent feature and capability. Doing so in servo based systems bring with it a special set of challenges. This presentation will discuss the impact of using servo based systems for articulated arms and then adding closed loop camera controls.

Elite Robotics is a startup that is working on a 3D camera and robot targeted at bench top assembly tasks. Our robot incorporates our 3D camera into the robot controls using the techniques discussed.

He will also bring the MiniMe Robot and 3D camera for showcase.

Robert L. Kay

President/CEO of Elite Robotics Corp.



Robert cofounded the startup company to be a provider of bench top robotics and automation products. In parallel he cofounded and has been President/CEO of Elite Engineering Corp. which has for 28 years provided contract Design Engineering and Manufacturing services for instrumentation, automation and diagnostic products. With a unique blend of interdisciplinary engineering and entrepreneurial business skills this has lead to 8 patents and experience covering applications for IVD devices, biotech and industrial instrumentation/automation, 3D vision systems, robotics, missile systems and more.

Robert's business experience includes operations, business development, marketing and manufacturing with hi-tech Fortune 100 companies operating in the medical, biotech and industrial market spaces.

Prior to starting up Elite, Robert worked at companies such as Teledyne Systems, ISC Aerospace and Burroughs Corp covering industrial and military applications. This gave him an engineering background that covers system design, analog and digital electronics, mechanical design, optics and software. His first engineering career job was designing servo signal processing and read/write chain design for what was to become the worlds first operational optical data disk system.

Robert earned a BS in Engineering from CSU Northridge in 1979. He has been married since 1974 and has two children.

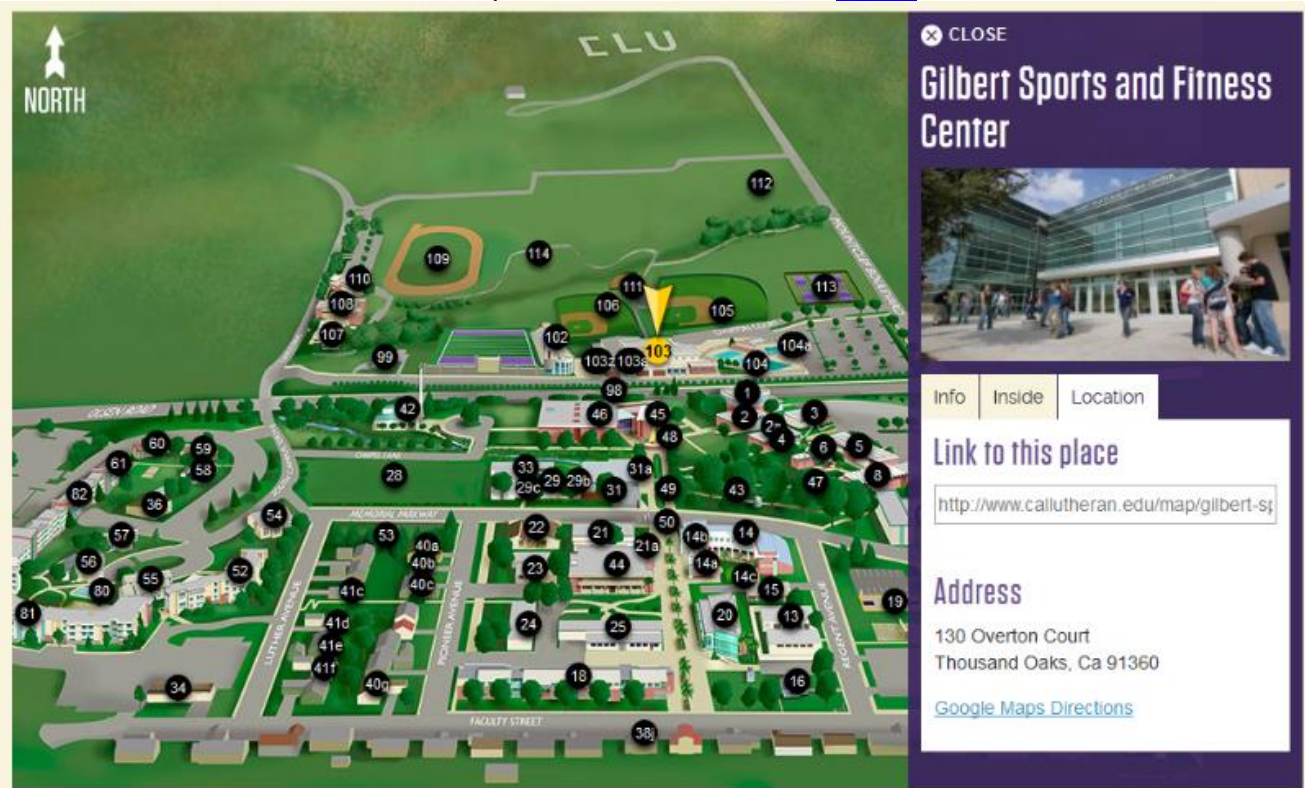
Location: : California Lutheran University
Gilbert Sports and Fitness Center, 2nd floor, Rooms
253/254.
130 Overton Court, Thousand Oaks, CA 91360.
Pizza/networking starts at 6:30 pm
Talk starts at 7:00 pm

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California Lutheran University
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You might have to enter through the west lobby after 6 PM ([Map](#))

There is an adjacent large parking with no permit required.

You can also park in the G lot on the southwest corner of Olsen and MountClef and walk to the Gilbert Sports and Fitness Center ([Map](#)).



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