Intensity-Based Optical Fiber Sensors
A One-Day Professional Development Short Course
Thursday, April 15, 2004  8:00 a.m. – 5:00 p.m.
Engineering Building, Room 287
(Registration starts at 8:00 a.m.)

OBJECTIVES: The objective of this course is to provide the attendee with a broad understanding of the fundamental science, basic operation, technology choices, manufacturing methods, terminology, supplier base, market landscape, and practical aspects of fiber-optic intensity-based sensors.

WHO SHOULD ATTEND: Engineers, scientists, technicians, sales, marketing, legal professionals, analysts, investors, purchasing staff, managers, and anyone seeking an entry-level background in fiber optics. This short course does not require advanced mathematics.

COURSE OUTLINE:
- Overview of applications
- A taxonomy of sensing systems
- Transduction physics
- Dynamic range and electronics
- Noise and other error sources
- Overview of multimode fiber devices
- Chemical sensors
- Biomedical sensors
- Polarimetric sensors
- Signal processing
- Market landscape
- Industry standards

PRESENTED BY: Robert Dahlgren, President and CEO of Silicon Valley Photonics Limited, has been engaged in optical technology for more than 20 years. He received his M.S. degree from M.I.T in aeronautics/astronautics in 1993, his second M.S. degree from San Jose State University in physics in 2001, and his B.S.E.E. from the University of Minnesota in 1983, and is a recipient of the IEEE “3rd Millennium” award.

FEE: $395, which includes continental breakfast, refreshments, lunch, and course notes.

For more information, please see http://www.engr.sjsu.edu/mae or contact Dr. Fred Barez at (408) 924-4298 or barezf@email.sjsu.edu

REGISTRATION FORM (Please forward by April 8, 2004)

Intensity-Based Optical Fiber Sensors, April 15, 2004 - $395

You may pay by credit card or make check payable to PDP/MAE Dept/Intensity Optical Sensors and mail registration form to:

PDP SHORT COURSE, Mechanical & Aerospace Engineering,
San José State University, One Washington Square, San José, CA 95192-0087  Fax (408) 924-3995.

NAME____________________________________ COMPANY__________________________________
ADDRESS__________________________________________________________________________________
CITY_____________________________________ STATE_________ ZIP_______________________
DAY PHONE______________________________ FAX NO.____________________________________
EMAIL___________________________________
CC Type: (MC / VISA / AmEx / Discover) CC # ___________________________ Expiration Date: __________