

Eric Gustafson, Instrument Science Group Leader LIGO Laboratory Caltech



Before becoming the Instrument Science Group Leader at Caltech for the LIGO Laboratory in January 2007 Eric was the Vice President of Engineering at Lightconnect Inc. a supplier of MEMS based optical components for fiber optic telecommunications. Prior to working at Lightconnect Eric worked for 14 years as a Research Associate in the Ginzton Laboratory in the Byer-Fejer group at Stanford University and his research was on diode-laser-pumped solid-state lasers, nonlinear optics and interferometric gravitational wave detectors. In this latter area he was the Chair of the Lasers and Optics Working Group in the LIGO Scientific Collaboration.

In 1985 Eric was a founder of Yellowstone Diagnostics Inc. a biotechnology company developing an optical immunodiagnostic measurements system for allergy testing. In 1987 Yellowstone was acquired by Adeza Biomedical Inc. a women's health care company. In 1993 Eric was a co-founder of First Medical Inc. a company developing a whole blood point-of-care platform for detection of myocardial infarction and in June 2000 First Medical Inc. was acquired by Sigma-Aldrich Inc.

Eric has a BS in Physics from Caltech, a Ph.D. in Applied Physics from Stanford University and spent 2 years working as a Post Doc at UC Berkeley working to develop photo-conductive detectors for far infrared astronomy.

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Work Groups

Biophotonics	<input checked="" type="checkbox"/>
Integrated Photonics	<input type="checkbox"/>
Solar Cell Devices	<input type="checkbox"/>
Solid State laser Engineering	<input checked="" type="checkbox"/>
Photonic Sensors	<input checked="" type="checkbox"/>