Laser Transmitters for Fiber Optics and Free-Space Communications



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Free Webinar

Dr. Hamid Hemmati Supervisor, Optical Communications Group Jet Propulsion Laboratory California Institute of Technology

In this talk, Dr. Hemmati will cover laser transmitter options for short-range and long-range fiber optic communications, using both direct detection and coherent detection. Lasers for free-space communications will also be described briefly.



Dr. Hemmati's current research interests are in developing lasercom technologies and low mass/power/ size flight terminals for both interplanetary and satellite communications. Prior to joining JPL in 1986, he was a researcher at NASA's Goddard Space Flight Center and at NIST in Boulder, Colo. Dr. Hemmati is the editor and author of two books: "Deep Space Optical Communications" and "Near-Earth Laser Communications" and author of five other book chapters. He has published over 150 journal and conference papers, has nine patents granted and two patents pending. He is a Fellow member of SPIE and teaches lasercom at UCLA.

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Title: Laser Transmitters for Fiber Optics and Free-Space Communications

Date: Thursday, March 28, 2013
Time: 12 PM EDT/9 AM PDT/4 PM GMT

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