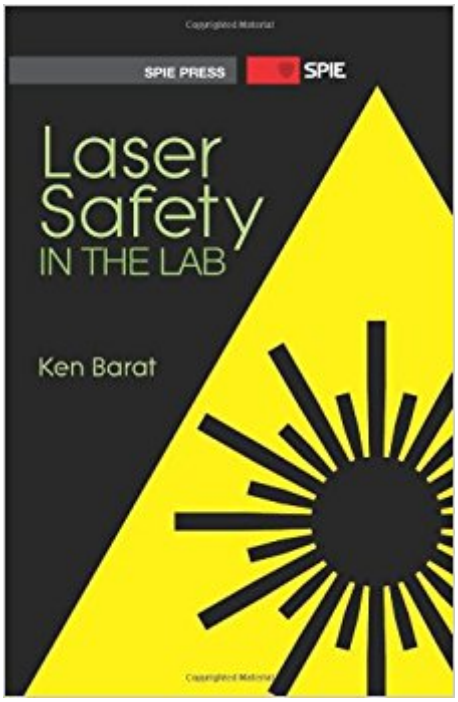
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Synopsis

There is no more challenging setting for laser use than a research environment. In almost every other setting the laser controls count on engineering controls, and human exposure is kept to a minimum. In research, however, the user often manipulates the optical layout and thereby places him or herself in peril, but this does not mean that accidents and injury are unavoidable. On the contrary, laser accidents can be avoided by following a number of simple approaches. Laser Safety in the Lab provides the laser user and laser safety officer with practical guidelines from housekeeping to eyewear to on-the-job training.

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Ken Barat was the Laser Safety Officer for Lawrence Berkeley National Laboratory (The U.S. DOE s first research lab). He now operates an independent laser safety consulting firm, Laser Safety Solutions (lasersafetysolutions@ gmail.com). He is the former LSO for the National Ignition Facility Directorate and Executive Chair of the LSO Workshop series. He is a winner of Laser Institute of America and Bay Area Laser Safety Officers Jim Rockwell Awards. Barat is Fellow of the LIA and an IEEE Senior member. He is also a member of the UK Laser Safety Forum and the founder of DOE Laser Safety Working Group. He has authored two previous texts on laser safety as well as many articles and presentations on laser safety. Overall, a nice guy.

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