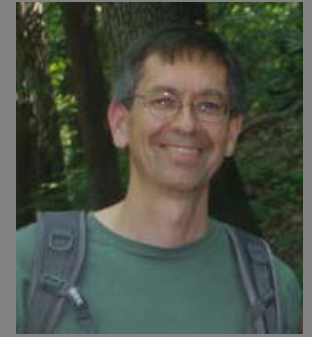


KHz Imaging Diagnostics for Tough, Practical Problems



Friday, March 30th , 4:00 PM
Maeder Hall, ACEE

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Aerospace Systems Directorate
Wright Patterson AFB, OH

KHz imaging diagnostics for combustion research, etc., have advanced rapidly in the past decade along with CMOS camera technology and laser systems. Indeed, in the past 10 years many technical papers have been published wherein kHz-rate (or high-speed) diagnostics such as planar laser-induced fluorescence (PLIF) and particle image velocimetry (PIV) have been applied to a range of flowfields (particularly reacting flowfields); furthermore, the complexity and sophistication of these high-speed-diagnostics experiments continues to increase at a rapid pace. This talk will summarize i) some recent advances in kHz imaging technology and diagnostics and ii) some of the uses of high-speed diagnostics for practical problems.

Cam Carter hails from Texas. He received his Ph.D. from Purdue University in 1990 (under Norm Laurendeau). Upon leaving Purdue, he joined Sandia's Combustion Research Facility as a Postdoctoral Fellow where he worked with the Great Rob Barlow and generally had a blast (thanks to Rob!). Since 2002 he has worked for the Air Force Research Laboratory (Wright-Patterson AFB) with a great group of like-minded individuals doing high-speed propulsion research.

Social following the seminar outside of Maeder Hall

