

Resource Summary Report

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Edgerton Center High Speed Imaging

RRID:SCR_005960

Type: Tool

Proper Citation

Edgerton Center High Speed Imaging (RRID:SCR_005960)

Resource Information

URL: <http://web.mit.edu/Edgerton/www/HighSpeed.html>

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Description: The MIT Edgerton Center carries on the legacy of Doc Edgerton's research and teaching by providing the Institute with a continuing expertise in high-speed and scientific imaging. Our facilities include a large studio space, a photographic darkroom, and a digital imaging studio equipped with an array of scanners, digital cameras, printers and plotters, and Macintosh computers. In addition, we have several technical digital cameras, including: * Redlake MASD PCI Motionscope, monochrome high-speed video at up to 8,000 images per second. * Concurrent analog data acquisition via a National Instruments A/D card. * Midas 2.0 motion analysis software from Xcitex, Inc. * NAC Model color high-speed camera (in process of donation). * Redlake MASD Ektapro 1012 high-speed video, monochrome, up to 12,000 images per second. * Redlake MASD Megaplus 1.4i scientific still camera These systems are available for use by interested MIT researchers and instructors, and by students pursuing hands-on projects. Each summer we offer a week-long course on high-speed imaging through the MIT Professional Institute. This subject (6.51s) is designed for scientists, engineers, and photographers who need to gather data on rapidly moving subjects and events for study, motion analysis, and trouble-shooting. Mornings are spent in the lecture hall learning the fundamentals for lighting, imaging technologies, and motion analysis. Afternoons are spent making high-speed images in the laboratory. For MIT students, we offer the popular Strobe Project Lab (6.163) to 24 students each term, where students learn the fundamentals of high-speed imaging and apply these techniques to final projects of their own choosing. Two subjects are offered that investigate digital imaging and image manipulation, SP.757 in Fall terms, and SP.747 in Spring terms.

Abbreviations: Edgerton Center High Speed Imaging

Synonyms: MIT Edgerton Center High Speed Imaging, MIT Edgerton Center - High Speed

Imaging, Edgerton Center for High Speed Imaging, The Edgerton Center for High Speed Imaging, Edgerton Center - High Speed Imaging

Resource Type: short course, training resource, access service resource, service resource

Keywords: high-speed imaging, scientific imaging, scanner, digital camera, printer, plotter, macintosh computer, image manipulation, imaging

Funding:

Resource Name: Edgerton Center High Speed Imaging

Resource ID: SCR_005960

Alternate IDs: nlx_151319

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Ratings and Alerts

No rating or validation information has been found for Edgerton Center High Speed Imaging.

No alerts have been found for Edgerton Center High Speed Imaging.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.