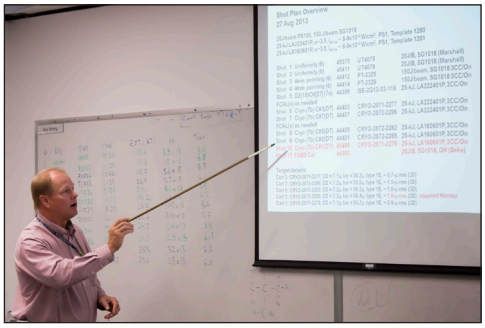
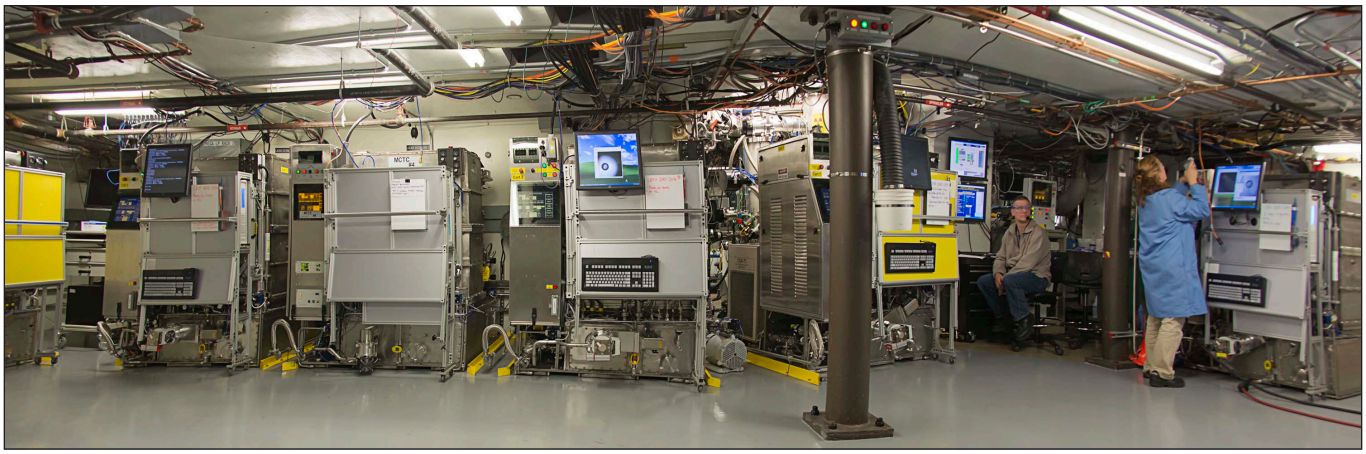
About the Cover:

The cover photo presents C. Sangster, T. Kosc, V. Versteeg, and V. Goncharov who led the cryogenic target implosion experiments on LLE's 60-beam OMEGA Laser System. Over 270 layered fuel capsules [using pure deuterium (D_2) and deuterium–tritium (DT)] are imploded to demonstrate hydrodynamic performance equivalent to direct-drive target design and laser energy available at the National Ignition Facility (NIF). This demonstration is an important scientific prerequisite for the polar-drive–ignition campaign on the NIF. In the background is the Moving Cryostat Transfer Cart (MCTC) during the preparation for the shot.



The photo on the right shows OMEGA Experiments Group Leader C. Sangster during the morning pre-watch briefing, describing details of the cryogenic shots scheduled on that day. The photo below highlights six MCTC's, including one at the lower pylon (second from the right). M. Maslyn and D. Whitaker are working on the cryogenic capsule inception into the OMEGA target chamber.



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For questions or comments, contact Alexei Kozlov, Editor, Laboratory for Laser Energetics, 250 East River Road, Rochester, NY 14623-1299, (585) 275-8345.

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