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<i>Title:</i>	Los Alamos National Laboratory Capability Reviews - FY2011 Status
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## ABSTRACT

### **LOS ALAMOS NATIONAL LABORATORY CAPABILITY REVIEWS – FY2011 STATUS**

Srinivas Iyer  
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Capability reviews are the Los Alamos National Laboratory approach to assess the quality of its science, technology, and engineering (STE), and its integration across the Laboratory. There are five capability reviews in FY 2011 reviews. The Weapons Science and Engineering review will be replaced by the National Nuclear Security Administration's Predictive Science Panel for 2011. Beginning in 2011, third-year LDRD projects will be reviewed by capability review committees rather than the first-year LDRD projects that have been performed for the last three years. This change addresses concerns from committees about reviewing a project before it had made any substantive progress. The current schedule, and chairs for the 2011 capability reviews is presented. The three-year cycle (2011 – 2013) for capability reviews are presented for planning purposes.

# **LOS ALAMOS NATIONAL LABORATORY CAPABILITY REVIEWS – FY 2011 STATUS**

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**Srinivas Iyer  
STBPO-PRM  
LANS/LLNS STC Meeting  
Los Alamos National Laboratory  
April 20, 2011**

# LANL Capability Review Committee Member Composition 2007 - 2010

- Total members 140 (unique)
- Source
  - Academia – 70
  - Other National Labs – 45
  - Industry – 15
  - Government agencies – 7
  - Other (e.g., NGO) – 3
- Institutions with largest contribution
  - LLNL – 22
  - SNL - 9
  - UC Berkeley – 7
  - UC San Diego – 6
  - LBNL – 6
  - MIT - 5



2010 Accelerators and Electrodynamics  
Capability Review Committee

# Status of FY2011 LANL Capability Reviews

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- Five reviews
- Weapons Science and Engineering will be replaced by NNSA Predictive Science Panel.
- Advanced manufacturing is no longer a capability.
- Chairs' meeting was not held because we could not obtain a quorum.
- Committee selections have been completed.

# LANL FY2011 Capability Reviews

Capability	Organizing AD	LANS STC POC	Chair	Dates
<b>Biosciences</b>	ADCLES	Colvin/Segalman	James Tiedje Michigan State Univ.	June 14-16, 2011
<b>Information and Knowledge Sciences</b>	ADTSC	Long/Karin	Munther Dahleh MIT	April 13- 15, 2011
<b>Materials</b>	ADEPS	Navrotsky/Bercaw	Gary Was Univ. Michigan	May 31 – June 3, 2011
<b>Nuclear Engineering and Technology</b>	ADE	Peddicord/Karin	Michael Corradini Univ. Wisconsin	May 17-19, 2011
<b>Sensors, Remote Sensing and Sensor Systems</b>	ADCLES	Gehrels/Beckwith/ Vogt	Tom Prince CalTech	May 2– 5, 2011

# LANL Capability Review Schedule 2011 - 2013

Capability	2011	2012	2013
Accelerators and Electrodynamics			X
Biosciences	X		
Chemical Science			X
Computational Physics and Applied Mathematics			X
Computer and Computational Sciences		X	
Earth and Space Sciences			X
High-Energy Density Plasmas and Fluids		X	
Information and Knowledge Sciences	X		
Materials	X	X	X
Nuclear Engineering and Technology	X		
Nuclear and Particle Physics, Astrophysics, and Cosmology			X
Sensors, Remote Sensing, and Sensor Systems	X		
Weapons Science and Engineering	X	X	X

# Summary

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- Five capability reviews in 2011.
- The Weapons Science and Engineering review is being replaced by the NNSA Predictive Science Panel.
- Chairs and committees have been selected.