

NINE 2008 SUMMER STUDENT PROGRAM

NINE activities will *usually* be scheduled at CINT or AML on Monday mornings between 8:30am – 12:30pm or on Friday afternoons between 12:30 – 4:30pm. Students register for activities beforehand and must attend 2/3 (2/3 = 8 activities) of the scheduled events.

Week 1

 TUESDAY, JUNE 3 (*NOTE: ACTIVITY IS ON TUESDAY AT 7:45A)

CINT Bldg 518, Rooms 1026 & 1028

Morning Refreshments

7:45a Introduction to Sandia, Nanotech and NINE.....Justine Johannes
Senior Manager, Materials Synthesis and Processing
505-844-1994
Regan Stinnett
Program Manager, National Institute of Nano Engineering
505-284-4841

9:00 Adjourn; Meet NINE mentors and go to their work areas

 FRIDAY, JUNE 6

CINT Bldg 518, Rooms 1026 & 1028

12:30p Lunch

12:45 Center for Integrated Nanotechnologies Presentation & Tour.....Neal Shinn
Program Manager, Center for Integrated Nanotechnologies
505-844-5457

1:30 Travel Z Machine Facility

2:00 Z Machine Tour.....Guy Donovan
Manager, Accelerator System Operations
505-845-7362.

3:00 Travel to Solar Power Facility

3:15 Solar Power Tour.....Nate Siegel
Technical Staff, Solar Technologies
505-284-2033

4:15 Travel back to CINT

4:30 Adjourn

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Week 2

 MONDAY, JUNE 9

Bldg 858EL, First Floor Training Room

9:00a Effective Presentation Skills.....Judie Knoerle
dAK & Company Partners in Learning
773-252-7056

12:00 Lunch

12:30 Adjourn

 FRIDAY, JUNE 13

AML, Large Conference Room

12:30p Lunch Seminar on Characterization Techniques.....TBD
Title, Org
505-xxx-xxxx

1:00 Now You're Cooking: Nanoparticle Synthesis & Characterization Workshop.....
.....Bernadette Hernandez
Post Doctoral Appointee, Ceramic Processing and Inorganic Materials
505-272-7657

5:00 Adjourn

Week 3

 MONDAY, JUNE 16 (*NOTE: ACTIVITY IS IN THE PM)

AML, Large Conference Room

12:30p Lunch

1:00p AML Grad Student Presentations & Lab Tours

1:00 – 1:20 Synthesis of Novel Self-Assembled Porphyrin Nanostructures.....
.....John Jacobson
University of California –Davis

1:20 – 1:40 Interfacial Property Control Elastomeric Nanocomposites.....
.....Norma Wells
University of New Mexico

1:40 – 2:00 XXX.....Steve Gaik
Purdue

2:00 – 2:10 Break

2:10 – 2:30 XXX.....Andrew Brzezinski
University of Illinois-Urbana

2:30 – 2:50 Chemically Modified Graphene Sheets.....Sungjin Park
University of Texas-Austin

3:00 Advanced Materials Laboratory Tour.....AML Grad Student Presenters

4:30 Adjourn

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FRIDAY, JUNE 20

Bldg 858EL, Room L1500

12:30p Lunch

1:00 Microsystems and Engineering Science Applications Tour.....Carol Sumpter
Technical Staff, Microsystems Center Quality
 505-284-6552

Bldg 858EL, Room L1500

2:00 MESA Grad Student Presentations & Lab Tours
 (3 slots – 15 min presentation, 30 min tour)

2:00 – 2:45 XXX.....TBD

Title, Org

2:50 – 3:35 XXX.....TBD

Title, Org

3:40 – 4:25 XXX.....TBD

Title, Org

4:30 Adjourn

Week 4



MONDAY, JUNE 23 (***NOTE: ACTIVITIES SCHEDULED IN THE AM AND PM**)

CINT Bldg 518, Rooms 1026 & 1028

8:30a CINT Grad Student Presentations & Lab Tours
 (4 slots - 15 min presentation, 30 min tour)

8:30 – 9:15.....TBD

Title, Org

9:25 – 10:10.....TBD

Title, Org

10:20 – 11:05.....TBD

Title, Org

11:15 – 12:00.....TBD

Title, Org

12:00p Lunch

12:30 Adjourn



CINT Bldg 518, Room 1102

1:00p Scanning Electron Microscopy and Nanomanipulation (3 students max)....
Brian Swartzentruber
Technical Staff, CINT Science
 505-844-6393



CINT Bldg 518, Room 1103

1:00p Introduction to Atomic Force Microscopy (3 students max).....Doug Pete
Technical Staff, CINT Science
 505-845-6521

4:00 Adjourn

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FRIDAY, JUNE 27

CINT Bldg 518, Room 1102

1:00p

Scanning Electron Microscopy and Nanomanipulation (3 students max)....
.....Brian Swartzentruber



CINT Bldg 518, Room 1103

1:00p

Introduction to Atomic Force Microscopy (3 students max).....Doug Pete

4:00

Adjourn

Week 5



MONDAY, JUNE 30 (***NOTE: ACTIVITIES SCHEDULED IN THE AM AND PM**)

CINT Bldg 518, Rooms 1026 & 1028

9:00a

Overview of Microsystems Technologies & Applications (4 day class)...Ted Dellin
Contractor, Microsystems Center Quality
505-844-2044

2:00p

Adjourn

CINT Bldg 518, Room 1102

1:00p

Scanning Electron Microscopy and Nanomanipulation (3 students max)....
.....Brian Swartzentruber



CINT Bldg 518, Room 1103

1:00p

Introduction to Atomic Force Microscopy (3 students max).....Doug Pete

4:00

Adjourn

TUESDAY, JULY 1

CINT Bldg 518, Rooms 1026 & 1028

9:00a

Overview of Microsystems Technologies & Applications (4 day class)...Ted Dellin
Contractor, Microsystems Center Quality
505-844-2044

2:00p

Adjourn

WEDNESDAY, JULY 2

CINT Bldg 518, Rooms 1026 & 1028

9:00a

Overview of Microsystems Technologies & Applications (4 day class)...Ted Dellin
Contractor, Microsystems Center Quality
505-844-2044

2:00p

Adjourn

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THURSDAY, JULY 3

CINT Bldg 518, Rooms 1026 & 1028

9:00a Overview of Microsystems Technologies & Applications (4 day class)...Ted Dellin
Contractor, Microsystems Center Quality
505-844-2044

2:00p Adjourn

FRIDAY, JULY 4

No NINE activity scheduled

Week 6

JULY 7 – JULY 11

No NINE activities scheduled

Week 7

MONDAY, JULY 14

No NINE activity scheduled

FRIDAY, JULY 18

CINT Bldg 518, Rooms 1026 & 1028

12:30p Lunch

1:00 Business Concepts for Scientists and Engineers.....Regan Stinnett

1:45 Break

2:00 Business & Accounting Concepts for Scientists & Engineers... ..Craig White
University of New Mexico, Anderson Schools of Management

3:30 Adjourn

Week 8

MONDAY, JULY 21

CINT Bldg 518, Rooms 1026 & 1028

12:30p Lunch

1:15 Nanotechnology Markets & Commercialization Issues.....Steve Walsh
Contractor, Materials Synthesis & Processing
stwalsh@sandia.gov

2:15 Break

2:30 Innovation for Counterterrorism.....Bruce Held
Manager, Office of Counterintelligence
505-284-5404

3:30 Adjourn

FRIDAY, JULY 25

No NINE activity scheduled

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Week 9

MONDAY, JULY 28 – FRIDAY, AUGUST 1: NINE COMMUNITY WEEK

NINE Community Week Agenda Coming Soon!