

Joint Workshop

LANL / NIMS

Quantum and functional Materials and MANA International Symposium 2024

October 15-17, 2024

Event Outline

Venue / WPI-MANA Bldg. , Namiki-site
National Institute for Materials Science (NIMS)
1-1 Namiki, Tsukuba, Ibaraki 305-0044 JAPAN

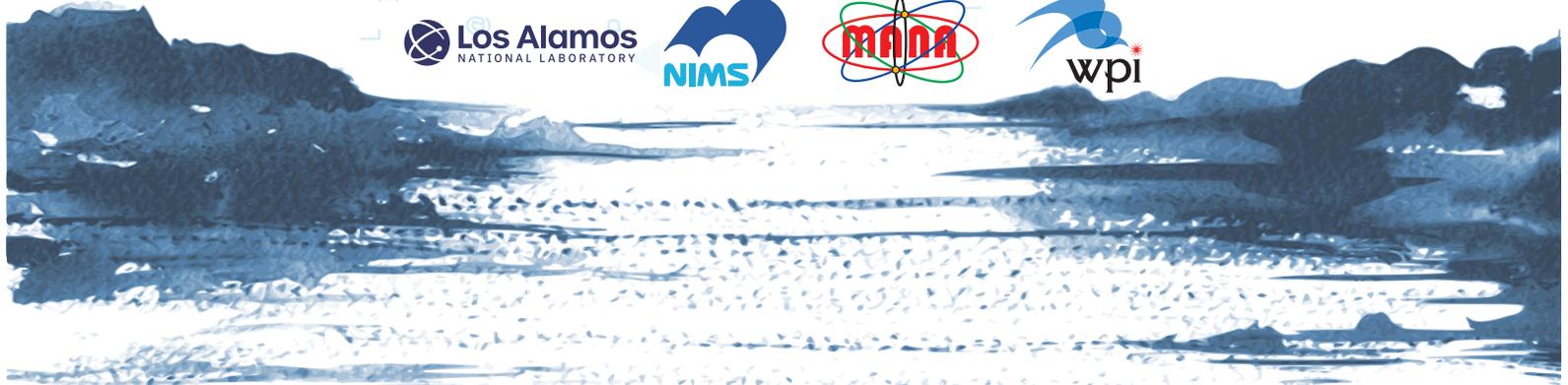
Contact / mana-workshop@nims.go.jp



abstract



Website



Joint workshop

LANL / NIMS Quantum and functional Materials and MANA International Symposium 2024

This is a joint workshop between Los Alamos National Laboratory (LANL)- National Institute for Materials Science (NIMS) workshop and MANA International symposium 2024 to promote active research exchange. Research Center for Materials Nanoarchitectonics (MANA), which is one of the research centers in NIMS will manage the joint workshop for three days. The main topic of LANL-NIMS workshop is “Quantum and Functional Materials”, and researchers from both LANL and NIMS will present their latest research achievements. Such quantum materials open the door to the development of new types of quantum computing devices, superconductors and quantum sensors that could revolutionize the computational speed, efficiency, and sensitivity of electronic devices.

MANA also holds an international symposium every year to discuss the latest important research achievements and future prospects of materials science based on cutting-edge nanotechnology with leading researchers from around the world. It will be held on the third day of the joint workshop this year. At MANA, there are two main research fields, the “Nanomaterials Field” and the “Quantum Materials Field”. This year's MANA International Symposium will focus on the former field of Nanomaterials, since the latter is the main theme of the LANL-NIMS workshop, and will be held simultaneously with the LANL-NIMS workshop to promote research exchange through synergistic effects.

Day1 10.15

Opening Session

09:00 **Kazuhiro Hono**
President, NIMS

09:05 **Michael Pettes**
Deputy Group Leader, LANL

09:10-10:25 Session1

Quantum Materials 1

09:10 **Michihiro Hirata**
Staff Scientist, LANL

09:35 **Shunsuke Yoshizawa**
Senior Researcher, NIMS

10:00 **Taichi Terashima**
Group Leader, NIMS

Group Photo & Coffee Break

10:45-12:25 Session2

Quantum Materials 2

10:45 **Elizabeth Peterson**
Staff Scientist, LANL

11:10 **Toshikaze Kariyado**
Senior Researcher, NIMS

11:35 **Terumasa Tadano**
Group Leader, NIMS

12:00 **Michael Pettes**
Deputy Group Leader, LANL

Lunch

14:00-15:40 Session3

Quantum Materials 3

14:00 **Jinkyoun Yoo**
Co-leader, LANL

14:25 **Kazunari Yamaura**
Group Leader, NIMS

14:50 **Yongqiang Wang**
Team Leader, LANL

15:15 **Yusuke Kozuka**
Group Leader, NIMS

Coffee Break

Poster Session (Viewing)

Day2 10.16

Plenary Talk

09:00 **Avadh Saxena**
Senior Scientist, LANL

Morning Coffee Break

10:00-11:15 Session4

Quantum Materials 4

10:00 **Andrei Piryatinski**
Scientist, LANL

10:25 **Hiori Kino**
Principal Researcher, NIMS

10:50 **Atsushi Togo**
Group Leader, NIMS

Lunch

13:00-13:50 Session5

Nanomaterials 1

13:00 **Diego Dalvit**
Technical Staff Member, LANL

13:25 **Koichiro Yaji**
Group Leader, NIMS

Coffee Break

14:20-15:35 Session6

Nanomaterials 2

14:20 **Han Htoon**
Scientist 5, LANL

14:45 **Jun Kikkawa**
Principal Researcher, NIMS

15:10 **Theresa Kucinski**
Scientist, LANL

15:35-16:25 Session7

Nanomaterials 3

15:35 **Hisato Yamaguchi**
Scientist, LANL

16:00 **Takayoshi Sasaki**
Fellow/Group Leader, NIMS

Closing Session

Poster Session

MANA International Symposium 2024 Reception

Day3 10.17

Opening Session

09:30 **Takashi Taniguchi**
Executive Vice President, NIMS

Plenary Talk

09:35 **Atsuo Yamada**
Professor, The University of Tokyo

Group Photo & Coffee Break

10:40-12:00 Session8

Nanomaterials 4

10:40 **Naoji Matsuhisa**
Associate Professor, The University of Tokyo

11:10 **Lingying Li**
ICYS Research Fellow, NIMS

11:35 **Joel Henzie**
Principal Researcher, NIMS

Lunch

Laboratory Tour / Poster Session / Coffee break

14:30-16:50 Session9

Nanomaterials 5

14:30 **Kenji Miyatake**
Professor, University of Yamanashi

15:00 **Takaaki Taniguchi**
Principal Researcher, NIMS

15:25 **Yoshinori Okada**
Associate Professor,
Okinawa Institute of Science
and Technology (OIST)

15:55 **Shizeng Lin**
Scientist, LANL

16:25 **Daichi Kozawa**
Senior Researcher, NIMS

Closing Session

Informations

Host Organization

National Institute for Materials Science (NIMS)

Contact mana-workshop@nims.go.jp

Organizing Committee (MANA, NIMS)

Takashi Taniguchi, Director
Naoki Fukata, Deputy Director
Yutaka Wakayama, Manager
Kazunari Yamaura, Group Leader
Renzhi Ma, Group Leader
Takayuki Harada, Independent Researcher
Toshikaze Kariyado, Senior Researcher
Yu Yamashita, Senior Researcher

