



Toshiya Otomo

J-PARC, KEK / AONSA Office Liaison

Report from AONSA Office

As of November 2025,
after the 34th EC meeting in June 2025

Budget, Annual Fee, EC meeting, Neutron School

- **Budget**

Confirmed and updated the deposit/withdrawal of the bank account as required

- **Annual Fee 2025**

- Have not yet received the 2025 annual fees from NSSI, expecting NSSI to pay, including the additional transfer fee of US\$15 that we incurred in 2024

- **Preparation of a budget report for the EC meeting**

Sent a budget report with both JPY and USD accounts' activity statements to the treasurer by email

- **The 14th Neutron School**

Paid the local organizer USD 3,000 (JPY 444,900) as support costs for the 14th Neutron School, scheduled for November 17 to 21 (J-PARC MLF, Tokai, Japan), at the Treasurer's request.



AONSA Prize, AONSA Science Award, and Message from AONSA Office

- **The 8th AONSA Prize 2025**

Monetary Prize and Transportation reimbursement:

- Made remittance to the AONSA Prize 2025 awardee, Professor Wen-Hsien Li, for the monetary prize and transportation reimbursement for the ceremony held in the ICNS 2025 in Lund, Sweden(ESS), on July 10, 2025

- **The 1st AONSA Science Award 2025 / The 8th AONSA Prize 2025**

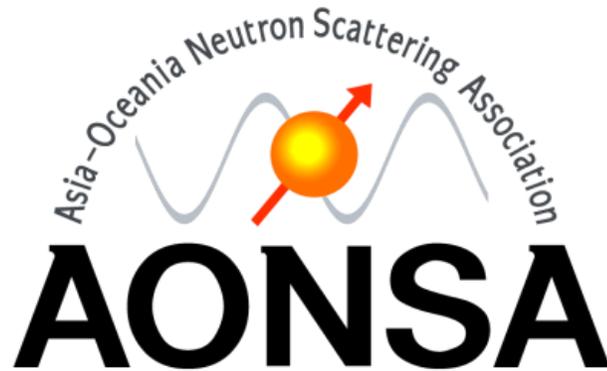
Paid the expenses incurred for related goods and other items

- **Message from AONSA Office**

Announcements distributed to the AONSA members:

- September 26 - (Gordon Conference in Neutron Scattering: April 2026, Barcelona)
- October 2 - (J-PARC MLF 2026A Call for Proposals will open on October 17)
- October 15 - (J-PARC MLF 2026A Call for Proposals (October 17 -))

AONSA EC Meeting Financial Report



Yukinobu Kawakita (Treasurer of AONSA, JSNS)

2025-11-15

EC Meeting

Financial report (Office)

| | 2024.6.04 - 2024.11.20 | | 2024.11.21 - 2025.06.13 | | 2025.6.13 - 2025.11.06 | |
|----------------------|------------------------|-------------------|-------------------------|-------------------|------------------------|-------------------|
| Category | Incomes (USD) | Incomes (JPY) | Incomes (USD) | Incomes (JPY) | Incomes (USD) | Incomes (JPY) |
| Previous balance | 19,270.80 | 11,957,047 | 16,957.12 | 11,934,680 | 28,506.12 | 11,906,721 |
| Annual fee | 1,985 | | 12,000 | | | |
| AONSA School | | | 485 | | | |
| Interest | 1.32 | 1,333 | 1.36 | 6,241 | 2.00 | 11,323 |
| Total | 21,257.12 | 11,958,380 | 29,443.48 | 11,940,921 | 28,508.12 | 11,918,044 |
| Category | Expenses (USD) | Expenses (JPY) | Expenses (USD) | Expenses (JPY) | Expenses (USD) | Expenses (JPY) |
| AONSA School | 4,300.00 | | 937.36 | | | 445,560 |
| AONSA SA Prize | | | | | | 397,245 |
| YRF transport. | | | | | | |
| EB charge | | 13,200 | | 13,200 | | 11,000 |
| Bank fee | | 10,500 | | 21,000 | | 1,070 |
| Total | 4,300.00 | 23,700 | 937.36 | 34,200 | | 854,875 |
| Total balance | 16,957.12 | 11,934,680 | 28,506.12 | 11,906,721 | 28,508.12 | 11,063,169 |

\$~93,722

\$~105,091

\$~99,667

* Prize fund and Support fee are not included (next page).

* JPY/USD ~ 155.47

Prize fund

| | 2025.06.14 – 2025.11.06 | |
|----------------------|-------------------------|------------------|
| Category | Incomes (USD) | Incomes (JPY) |
| Previous balance | 13,985 | 2,843,067 |
| Donation | | |
| Total | 13,985 | 2,843,067 |
| Category | Expenses (USD) | Expenses (JPY) |
| Prize money | 7,250 | 78,925 |
| bank fee | | |
| Total | 7,250 | 0 |
| Total balance | 6,735 | 2,764,142 |

Total balance : \$~24,514

Support fee

| | 2025.06.14 – 2025.11.06 | |
|----------------------|-------------------------|----------------|
| Category | Incomes (USD) | Incomes (JPY) |
| Previous balance | 9,000 | 0 |
| Donation | | |
| Total | 9,000 | |
| Category | Expenses (USD) | Expenses (JPY) |
| Total | | |
| Total balance | 9,000 | 0 |

Total balance : \$9,000

* JPY/USD ~ 155.47

Summary

| | |
|-----------|--------------------------------------|
| Office : | \$~99,667 (\$~ 105,091 last balance) |
| Prize : | \$~24,514 (\$~ 32,272 last balance) |
| Support : | \$9,000 (\$~9,000 last balance) |

Details of Incomes

| | Annual 2023 | Annual 2024 | Annual 2025 | Annual 2026 | Prize 2023 | Prize 2025 | Support 2023 | Support 2024 | Support 2025 | Support 2026 |
|-------|-------------|-------------|-------------|-------------|------------|------------|--------------|--------------|--------------|--------------|
| ANBUG | \$2,000 | \$2,000 | \$2,000 | | \$1,000 | \$1,000 | \$1,000 | \$1,000 | \$1,000 | |
| CNSS | \$2,000 | \$2,000 | \$2,000 | | \$1,000 | \$1,000 | \$1,000 | \$985 | | |
| TWNSS | - | \$2,000 | \$2,000 | | - | \$1,000 | - | \$1,000 | \$1,000 | |
| NSSI | \$2,000 | \$1,985 | | | - | | | | | |
| JSNS | - | \$2,000 | \$2,000 | | - | \$1,000 | - | \$1,000 | | |
| KNBUA | - | \$2,000 | \$2,000 | | - | \$1,000 | - | \$1,000 | \$1,000 | |

Please pay Annual Fee for 2026.

Thanks in advance to Support donation for activities in 2026.

Waiting for NSSI payment for Annual Fee 2025 (\$ 2,015).

Remarks

We incurred a handling charge of US\$15.00 for the NSSI annual fee, thus the total amount remitted was US\$1,985.00. Requested for this charge to be included in the next payment.

Future budget plan (2025.11 - 2026.06)

| | | | |
|------------|---------------|--|---|
| Incomes : | Office | \$2,015 (NSSI) for Annual 2025 \$12,000 for Annual 2026 a few interest | |
| | Support Prize | \$4,000 ??? | |
| Expenses : | Office | \$2,000 ??? \$2,000 ??? | travel fee for two YRFs in 2025 travel fee for two(?) YRFs in 2026 |
| | Prize | | |
| Balance : | Office | ~\$109,682 | |
| | Prize | ~\$24,514 | |
| | Support | ~\$13,000 | |

Summary (2025.06 - 2025.11)

| | |
|-----------|--------------------------------------|
| Office : | \$~99,667 (\$~ 105,091 last balance) |
| Prize : | \$~24,514 (\$~ 32,272 last balance) |
| Support : | \$9,000 (\$~9,000 last balance) |

Payment to AONSA Prize winner

Travel Expenses

Airfare: \$3,748.80

Accommodation: \$1,000.75

Prize Money: \$2,500

Thank you very much for donating USD2,500 of the USD5,000 prize money.

Total: \$7,250

Payment for AONSA Science Award

There was no request from Awardee.

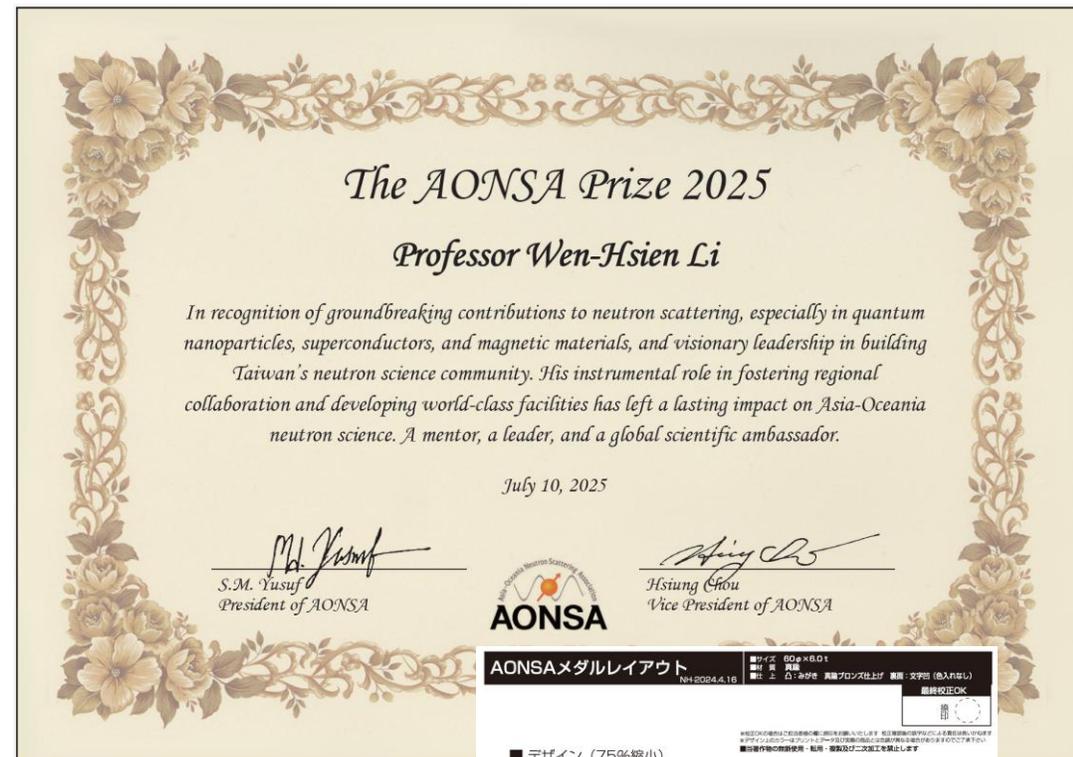
AONSA

●AONSA PrizeJPY 70,925 Prize fund

- Medal JPY 50,600 Mo
- Certificate Printing JPY 5,005
- Certificate Holder JPY 13,560
- Money Envelope JPY 1,760

●AONSA SW.....JPY 397,245 Office

- Medal JPY341,550
- Certificate Printing JPY 15,015
- Certificate Holder JPY 40,680





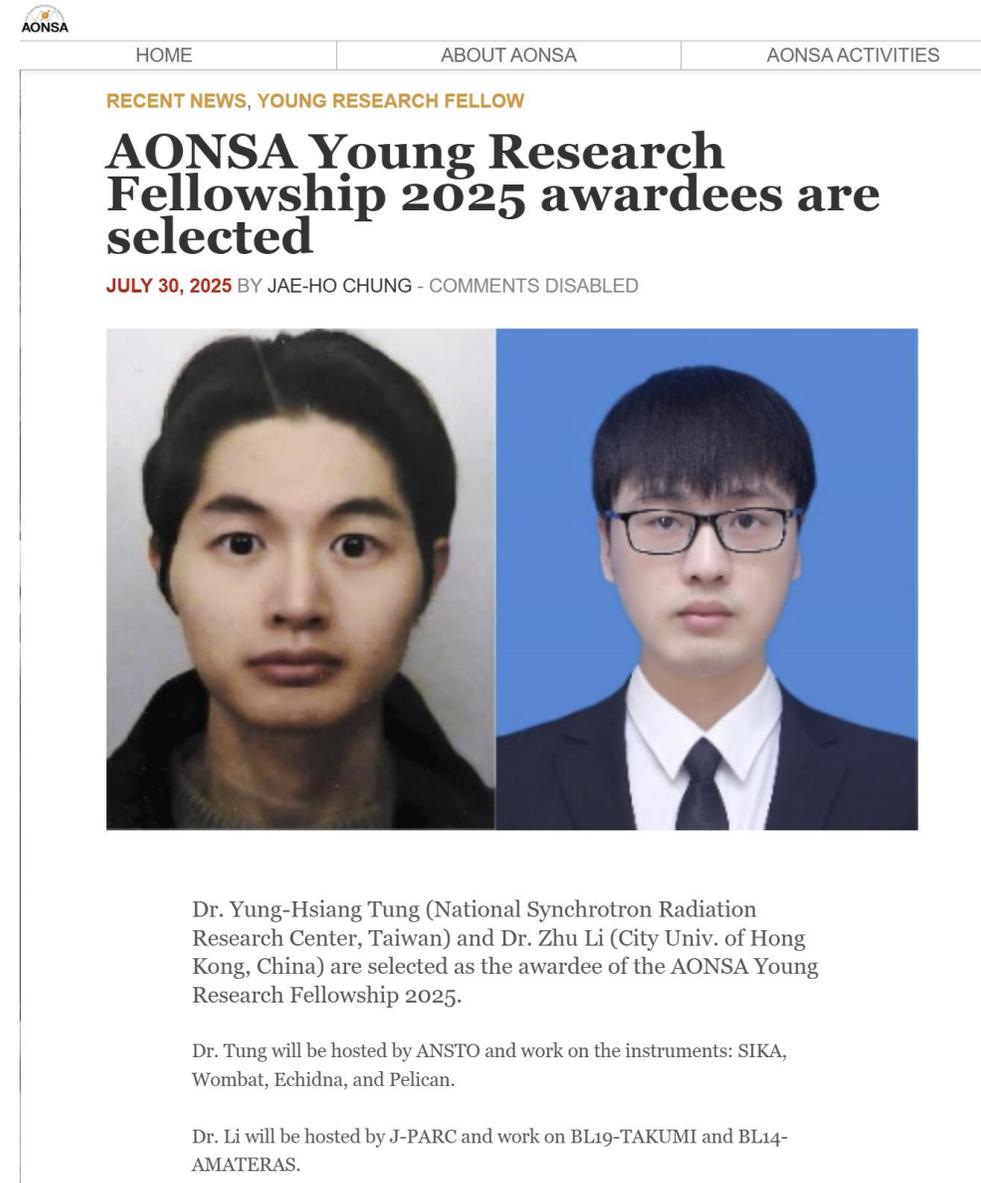
AONSA EC Meeting
Shinagawa, Japan + Zoom
2025/11/15

Public Relations Report

Jae-Ho Chung,
Korea University / KNBUA

Current status of the AONSA website

- ◆ <https://www.aonsa.org/>
 - ❖ Running on Godaddy + Wordpress.
- ◆ Recent updates & new posts:
 - ❖ Newsletter Vol. 17 partial release
 - ❖ Young Research Fellowship 2025 awardees
 - ❖ 34th EC meeting in Busan, Korea
- ◆ To be updated
 - ❖ Call for Young Research Fellowship 2026
 - ❖ 14th AONSA Neutron School report
 - ❖ 34th & 35th EC meeting minutes
 - ❖ Newsletter Vol. 17 year-end release



The screenshot shows the AONSA website header with navigation links: HOME, ABOUT AONSA, and AONSA ACTIVITIES. Below the header, there is a section titled "RECENT NEWS, YOUNG RESEARCH FELLOW" with a main headline: "AONSA Young Research Fellowship 2025 awardees are selected". The article is dated "JULY 30, 2025" and is by "JAE-HO CHUNG" with "COMMENTS DISABLED". Two portrait photos of the awardees are shown: a woman on the left and a man on the right wearing glasses and a suit. Below the photos, the text reads: "Dr. Yung-Hsiang Tung (National Synchrotron Radiation Research Center, Taiwan) and Dr. Zhu Li (City Univ. of Hong Kong, China) are selected as the awardee of the AONSA Young Research Fellowship 2025." Further down, it states: "Dr. Tung will be hosted by ANSTO and work on the instruments: SIKA, Wombat, Echidna, and Pelican." and "Dr. Li will be hosted by J-PARC and work on BL19-TAKUMI and BL14-AMATERAS."

Newsletter vol. 17 partial issue

- ◆ Released in September 2025 as a partial & advanced issue
 - ❖ Will be completed after collecting more articles until the end of the year.
- ◆ Call for more articles Please submit at least once per year.
 - ❖ 35th EC & 30th FDM meetings
 - ❖ Call for YRFellowship 2026
 - ❖ 14th AONSA Neutron School report
 - ❖ No reports yet from ANBUG, KNBUA, NSSI in this year
 - ❖ Second reports are welcome even if you already submitted.

Sendto: jaehc@korea.ac.kr



NEWSLETTER OF THE ASIA OCEANIA NEUTRON SCATTERING ASSOCIATION

Vol. 17, No. 1 (September 2025)
Partial & Advanced

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Group photo of the ICNS 2025 held at the Bella Center, Copenhagen, Denmark

30th Asia-Oceania Neutron Facility Directors' Meeting REPORT

Date: Nov 14, 2025

13:00-17:00 JST

Time: Sydney +2:00; Japan & Korea +0:00; China & Taiwan -1:00; India -3:30

Duration time: < 4:00 hours (with a short break)

Location: : Tokyo-Shinagawa Loisir Hotel& Zoom

Links

- Topic: Facility director meeting (FDM)
- Online Access: AONSA FDM 12:45-
- <https://zoom.us/j/97245513776?pwd=gLSHnTD50JPVrxsN3f574u0aWhzU8B.1>
- Meeting ID: 972 4551 3776
- Passcode: 193419

- 1. Opening remarks**
- 2. Self-introduction of attendees**
- 3. Purpose & Role of the FDM**
- 4. Approval of Agenda**
- 5. Review of last meeting notes**
- 6. Photo**
- 7. Facility Updates (5 min each)**
 - a. CSNS**
 - b. J-PARC**
 - c. HANARO**
 - d. JRR-3**
 - e. G. A. Siwabessy**
 - f. OPAL**
 - g. CARR/CIAE**
 - h. CMRR**
 - i. IVV 2M**
 - j. IBR 2**
- 8. AONSA Business**
 - a. Facility reports at AOCNS**
 - b. AONSA Young Research Fellows**
 - c. Next AONSA Neutron School**
- 9. Discussion on the challenges, opportunities and cooperation of neutron facilities**
- 10. Other business:**
 - a. Next Meeting**
- 11. Closing remark**



Participants:

[Chair]

Taku J Sato (JRR-3/ISSP&Tohoku)

[FDM Members]

Toshiya Otomo (J-PARC/KEK)

Tianfu Li (CARR/CIAE)*

Fangwei Wang (CSNS)*

Tianjiao Liang (CSNS)*

Yukinobu Kawakita (J-PARC/JAEA)

Young-Soo Han (HANARO)

Jamie Schulz (ANSTO)

Jian Gong (CMRR)

Dong LIU (CMRR)*

~~Ranjan Mittal (DHRUVA)~~

M Refai Muslih for Abu Rivai (G. A. Siwabessy)*

Iwan Sumirat (G. A. Siwabessy)*

Maykel Tenny Elten Manawan (G. A. Siwabessy)*

[FDM Guests]

Andrei Gubkin (IVV-2M)*

(IBR-2)

Awaiting replacement (IR-8)

[EC Board Members]

S. M. Yusuf (President; NSSI; BARC)*

Hsiung Chou (Vice President; TWNSS, Nat Sun Yat-Sen U)

Jae-Ho Chung (Public Relations Officer; KNBUA; Korea U)*

Christopher Matthew Wensrich (Secretary; U New Castle)

Yukinobu Kawakita (Treasurer; JSNS)

[EC Members]

Pai-Chun Wei (TWNSS)

Yoshie Otake (JSNS)

Sungkyun Park (KNBUA)

Dongfeng Chen (CSNS)

[Observers]

Kenji Nakajima (J-PARC/JAEA)

Mitsutaka Nakamura (J-PARC/JAEA)

Tetsuya Yokoo (J-PARC/KEK)

Yongju Kim KAERI Imaging

JongYul Kim KAERI imaging

Sungil Park HANARO

Kazu Kakurai JSNS*

Indri Badria Adilina (Indonesia)

Egor Valer'evich Lychagin

Aleksandr Yurievich Nezvanov

Facility Reports

- a) CSNS Tianjiao Liang (or Fangwei Wang?)*
- b) J-PARC Toshiya Otomo
- c) HANARO Young-Soo Han
- d) JRR-3 Taku J Sato / Ryuhei Motokawa
- e) **G. A. Siwabessy** M Refai Muslih for Abu Rivai*
- f) OPAL Jamie Schultz
- g) CARR/CIAE Tianfu Li *
- h) **CMRR** **Dong LIU***
- i) DHRUVA Ranjan Mittal (S. M. Yusuf?)
- j) IVV-2M Andrei Gubkin*
- k) IBR-2 Egor Lychagin
- l) PIK Vladislav Tarnavich / Vladimir Voronin
- m) IR-8

Summary of CSNS

- The operation of CSNS recovered quickly from the cooling pipe leakage at June, The operating cycle of June to July shift to October.
- The registered user increased about 2100 in past year
- Annual user publication beyond 200.
- The installation and commissioning tasks of CSNS-II project in this summer finished

Summary of J-PARC MLF

mlf info



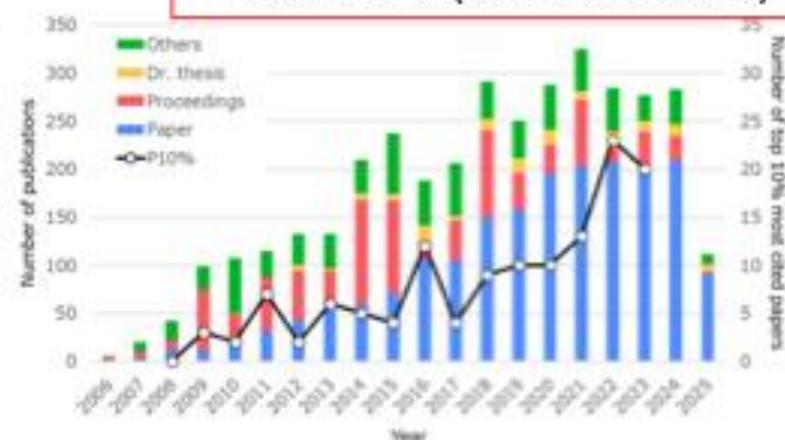
- ◆ The user program restarted on October 30, 2025, recovering from two major troubles of the neutron target system since Nov. 2024

- 141 days for FY2025
- ~780 kW operation
- 159 days for FY2026 (plan)

- ◆ Discussion of MLF roadmap started

- Domestic workshops
 - M. Nakamura, T. Yokoo and et al.
 - Aug 26, 2025
 - March 14, 2026

Publications (neutron & muon)

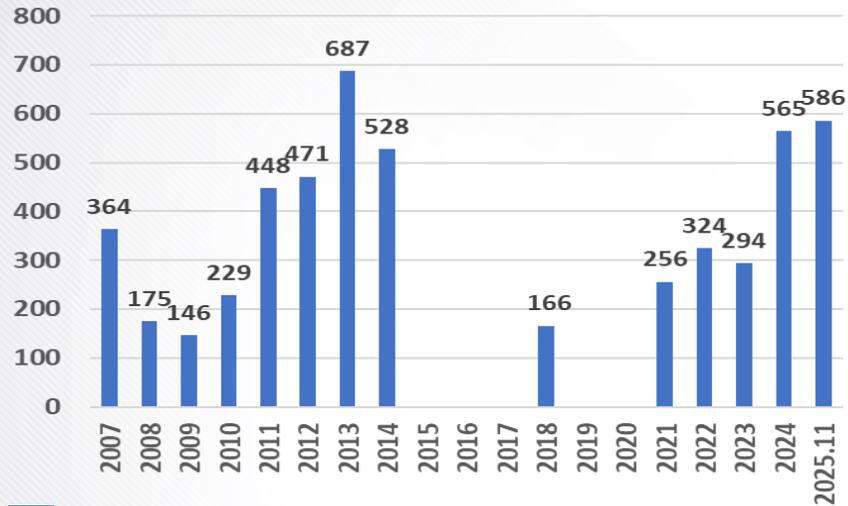


Proposals (neutron & muon)

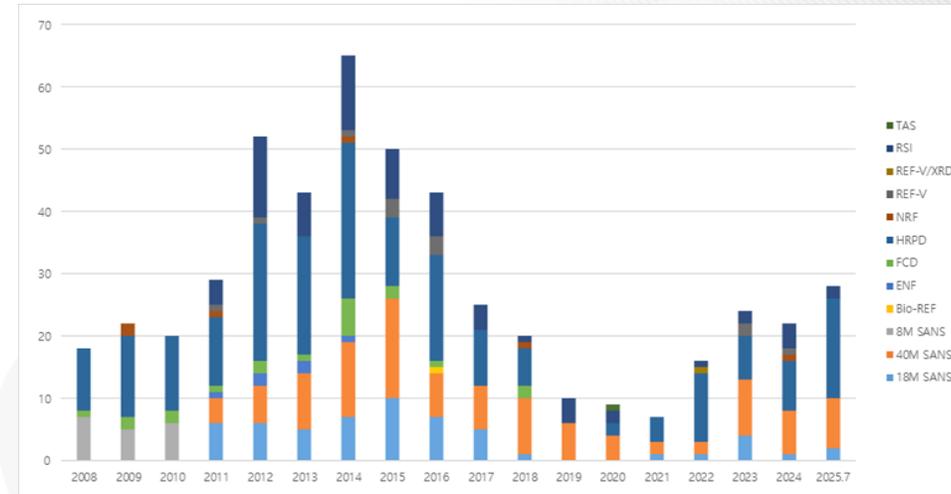


Report of HANARO Neutron Science Facility

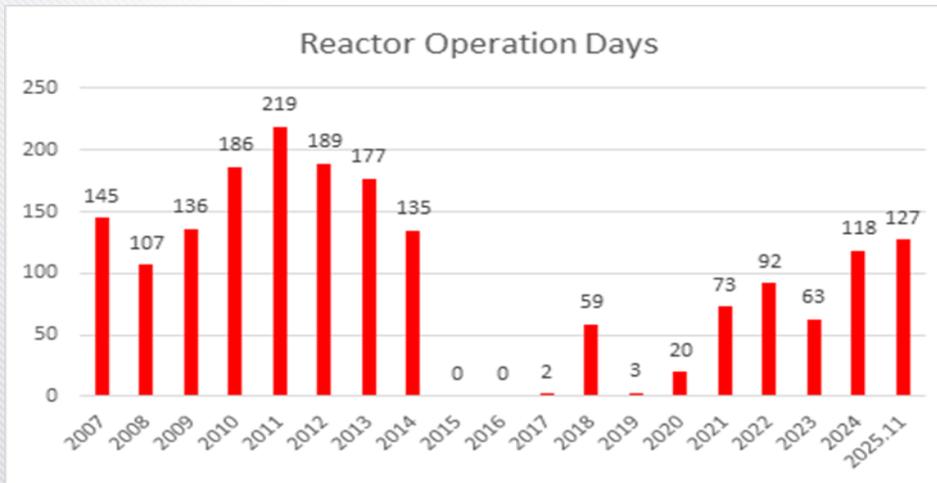
» User Statistics



» Number of Publications



» Reactor Operation

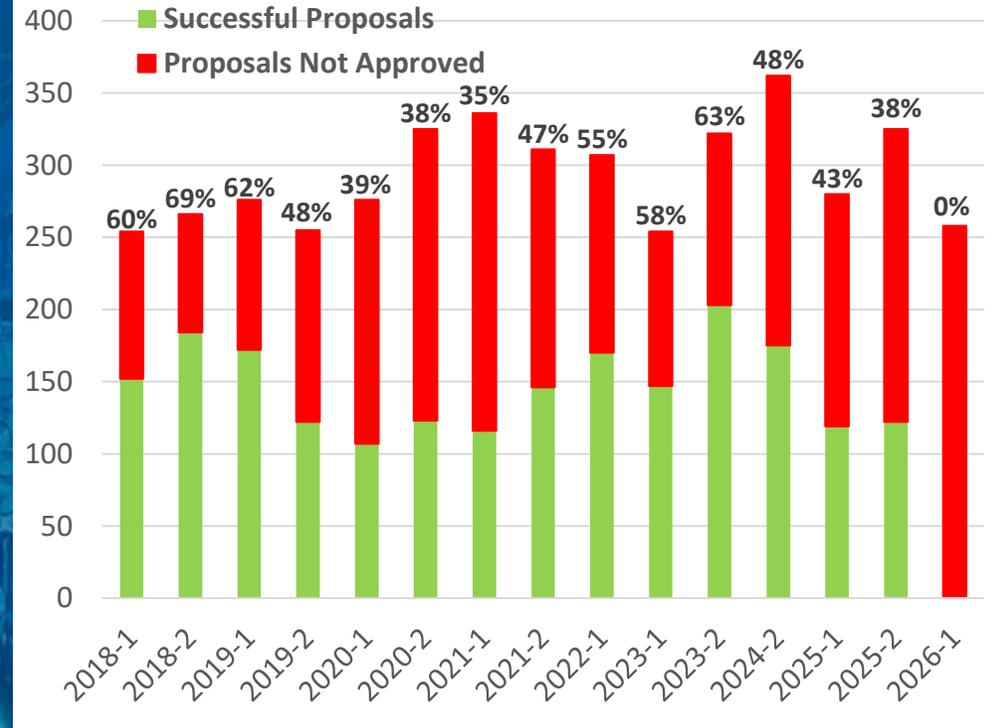


- Industry use continue to grow
- Two Summer Schools were held (August)
- International HANARO symposium in addition to J-K Meeting was held Sep. 10-12 in Daejeon

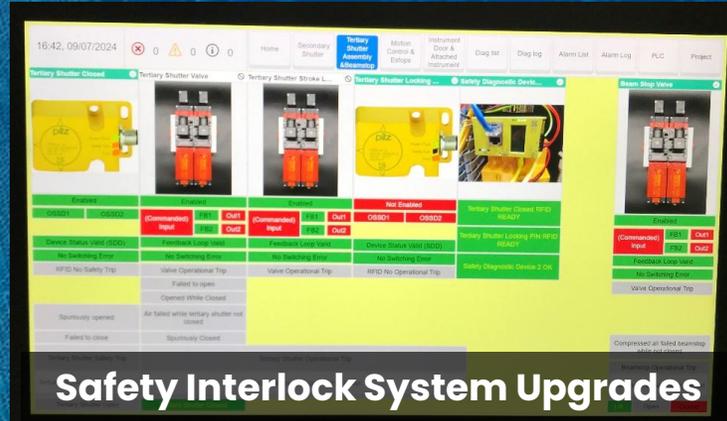
JRR-3 Summary

- Healthy statistics
 - Total publications since the restoration: $94 + 118 = 212$ (INCREASING!)
 - Publications in 2025: $18 + 30 = 48$ (INCREASING)
 - High IF Journals in 2025:
 - Nature Materials, Advanced Materials, Nature Physics, Nature Communications, Science Advances, Small, Physical Review Letters ...
- Reactor cycle
 - Finishies on Nov. 14 (FDM day!)
 - Restarts early JFY 2026 (June or July)
- Proposal to **Science Council of Japan**
Shaping the Future through Neutron Science at Research Reactors
ISSP, JAEA-MSRC, Tohoku U and Kyoto U
- The 1st JRR-3 Users Meeting (12/16-17 @ JAEA Tokai)
 - <https://jrr3.jaea.go.jp/9/index.html>
 - Important dates (deadlines):
 - Poster presentation: 11/9
 - International participant registration: 11/18
 - Poster Abstract: 11/24
 - Domestic participant registration: 12/2
- **Now PROPOSAL CALL OPEN! (2025/11/01-11/30)**
 - **JAEA:** <https://jrr3ring.jaea.go.jp/>
 - **ISSP:** https://nsl-appl.issp.u-tokyo.ac.jp/ring/index_en.php
- Please contact JRR-3 Users Office:
 - jrr3-uoffice@jaea.go.jp
 - <https://jrr3uo.jaea.go.jp/jrr3uoe/index.htm>

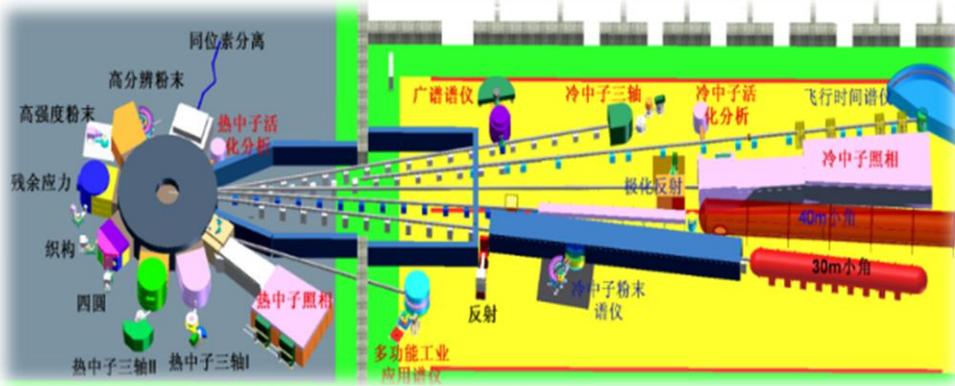
- Reactor & Cold Source both have run well (> 99% availability & reliability)
- User Program
 - 2026-1 – 258 Proposals for 1471 days (299 instrument requests)
 - Challenges with transition to new portal & delays with proposal regulatory reviews
 - Running user schools & workshops
 - ANSTO Powder Diffraction School (August 2025)
 - NRS2025 – Neutron Reflectometry School (November 2025)
- New Capabilities & Upgrades
 - Instrument Safety Interlock systems replacement/upgrade progressing
 - TG1 (Wombat & Echidna) in progress (November 2025)
 - Wombat replacement detector
 - Project progressing well
 - FY25 ACNS Asset Management Plan Project - \$2.8M upgrades delivered
- 2026 Australian Research Infrastructure Roadmap Process underway



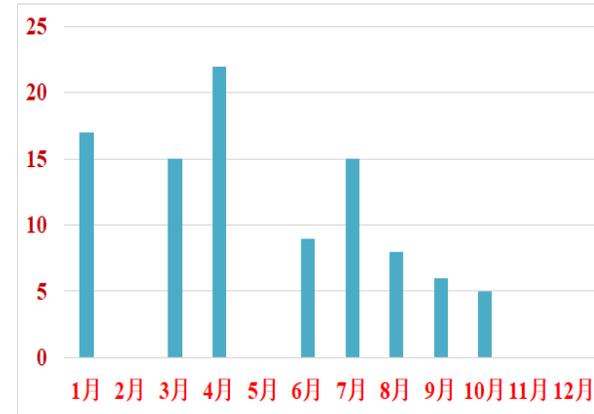

NCRIS
National Research Infrastructure for Australia
An Australian Government Initiative
2026 Australian RI Roadmap



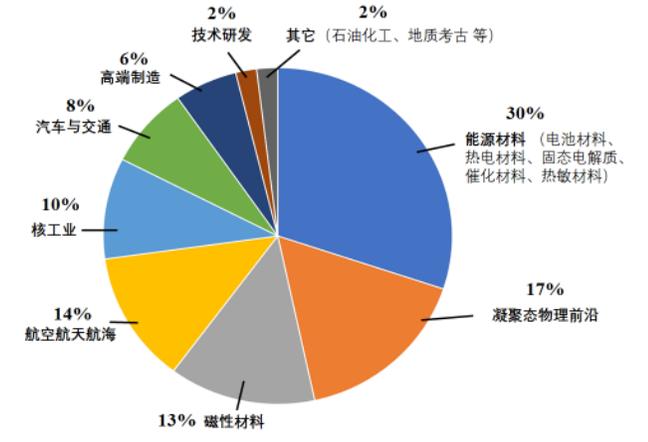
CARR Neutron Facility



Layout of CARR Neutron Facilities



Beam time each month

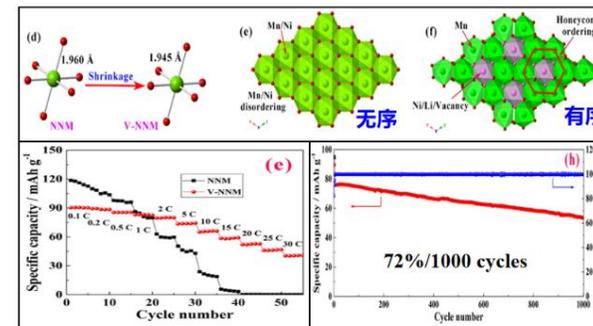


proposals research fields

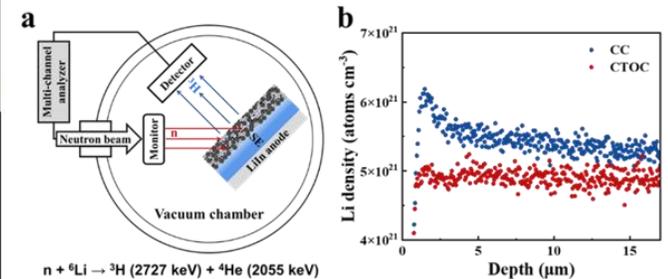
Reactor run 84 days since 2025

15 instruments in operation

Large amount of beamtime on Battery research, Material science.



Energy Storage Mater. 2025, 76, 104114.



Energy Environ. Sci., 2025,18, 8564-8574



SUMMARY

- NMSF at the IVV-2M research reactor was granted with a new license that allows operation of the facility until 06/2035
- Reactor lifetime has been extended up to 2039
- NMSF medical passport will expire in December 2025 and new passport will be issued in Jan. 2026
- Neutron user-service has been resumed in September 2025



AM Bartashevich et al, Commensurate Magnetic Structures in ThCr₂Si₂-Type Materials: A New Symmetry-Based Classification Scheme and Prediction of Emergent Phenomena, *Materials Today Physics* **59**, 2025, 101905



INM
ROSATOM



M. N. Mikheev Institute of Metal Physics
of Ural Branch of Russian Academy of Sciences

Pulsed Reactor IBR-2

October 16, 2021 - February 17, 2025 – reactor **shutdown**
Resumption of operation was done **in March 2025**

5 cycles was realized at February-November 2025. Two more cycles are planned before the end of the year.

User Program was resumed in 2025. **14** instruments include in user programm. **167** new users was registered and more than **200** proposals were sent. IBR-2 User Club website: <https://ibr-2.jinr.int>

The Instruments parameters could be found at <https://flnp.jinr.int/en-us/main/facilities/ibr-2>

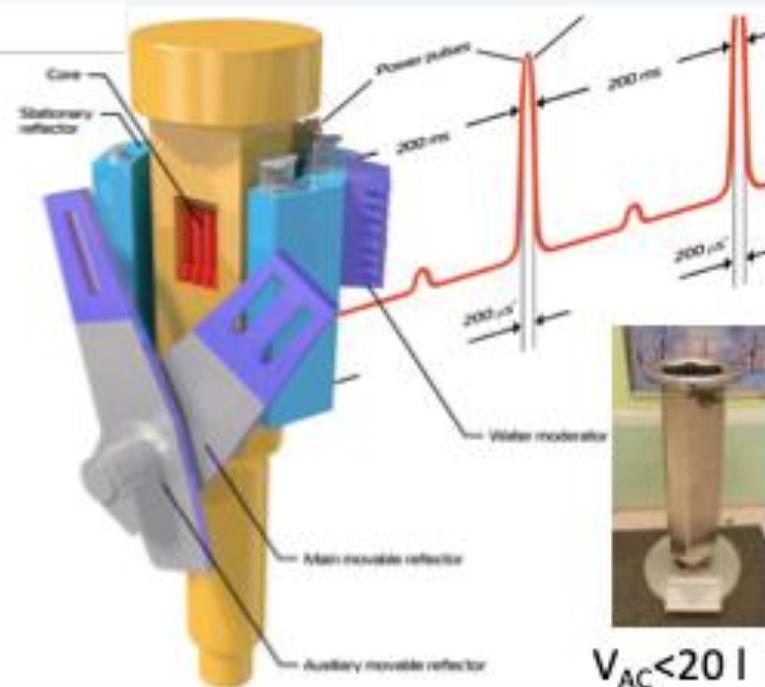
Two instruments are under construction:
SANSARA – small angle + imaging (2026)
BJN – inelastic scattering (2027)

User Program Committees are looking for new experts :

- Nanosystems and Soft Matter
- Atomic and Magnetic Structure
- Neutron Activation Analysis

Rapid access applications

- ▶ NO DEADLINE
- ▶ Submission – via the lab scientific secretary science.flnp@jinr.int



$V_{AC} < 20$ l

Regular access applications

| | First round | Second round |
|--------------------------------|--------------------------|--------------------|
| Period for proposal submission | September 1 – October 15 | March 1 - April 15 |
| Experiments time | 1 half-year | 2 half-year |

32nd International Seminar on Interaction of Neutrons with Nuclei: Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics (ISINN-32)
24–30 March 2025
Dubna
<https://isinn.jinr.int>

International Conference on Condensed Matter Research at the IBR-2 dedicated to the 90th Anniversary of Yu. M. Ostanevich
15-19 June 2026, Dubna, JINR, Russia

AONSA business

- a. AONSA Young Research Fellows**
- b. AONSA Neutron School**

AONSA Young Research Fellows 2026

- Hsiung Chou proposed renewed procedure for the YRF 2026 selection
 - FDM does not have any objection
 - AONSA EC will approve it
- It is becoming difficult to host students as YRF for J-PARC
 - Budget
 - VISA / Certificate of Eligibility
 - Beam time availability
 - As it has done in the past, J-PARC would like to make a decision on acceptability before finalizing the YRF review results.
- JRR-3 will consider acceptance of one YRF 2026 depending on the budget situation in JFY 2026.
- FDM and EC should collaborate to promote YRF
 - It is discussed that application can be sent from non-member countries. Check is needed who should recommend applicant. For increasing number of applicants, it would be better to relax the rule for the recommendation. Discussion at AONSA EC is necessary.
 - To increase YRF applications, 1) townhall meeting to advertise YRF program by asking facility directors to give short presentations; 2) provide AONSA YRF stories on the website.

AONSA Young Research Fellows 2026

- It is confirmed that YRF 2027 will be called as planned (i.e. June/July 2026)

- a) **CSNS***
- b) **J-PARC***
- c) **HANARO**
- d) **JRR-3***
- e) **G. A. Siwabessy**
- f) **ANSTO***
- g) **CARR/CIAE***
- h) **CMRR**
- i) **DHRUVA**
- j) **IVV-2M**
- k) **IBR-2**
- l) **PIK**

*Provisional hosting Neutron Facilities in 2027

AONSA Neutron School for 2027

- AONSA Neutron School 2027 will be hosted by KAERI

Discussion on the challenges, opportunities and cooperation of neutron facilities

chair

Discussions items

- Shortage of neutron components
 - Chopper issue: J-PARC will take a lead and organize workshop (in zoom)
 - Dr. Kanbara is a representative for this activity. ANSTO, CSNS, BRIN replied.
 - Dr. Kanbara encouraged to join ISNIE (International Society for Neutron Instrument Engineering).
 - Please send the list of appropriate persons to contact at each facility to Dr. Toshiya Otomo
 - Detector issue:
 - FDM chair will compile a list of "detector engineer, challenges, capabilities" by asking them to facility directors.
 - Pass the list to the appropriate person to see what to do next at the next FDM meeting.
- Connection with Neutron facilities in other regions (Europe and America).
 - iFDM was held at ICNS 2025
 - International/domestic user ratio
 - Participation to IUPAP working group discussed; follow-up may be necessary by Dr. Toshiya Otomo
- Instrument Scientist Workshop (ISW) at AOCNS
 - This is important activity of AONSA FDM
 - Continuous discussion between the instrument scientists is the key

Chopper workshop planning status

- ◆ Mr. Kambara (J-PARC) is planning to held an online or hybrid meeting until the end of March 2026
- ◆ Mr. Kambara has contacted
 - ANSTO (Scott Olsen)
 - CSNS (Wang Ping)
 - BRIN (Dr. Abu Khalid Rivai)
- ◆ Please let us know a contact person at your facility
- ◆ Mr. Kambara also wants more facilities to join the International Society of Neutron Instrument Engineers (ISNIE)

Discussion items

- Clarification of common content of facility reports
 - Taku Sato will work on this with the help of FDM members
- List of facilities and instruments
 - Jamie Schulz introduced a list of facilities and instruments collected by IAEA
 - Jamie Schulz will take a lead to make a list of facilities and instruments in Asia-Oceania Region
- Possible collaboration
 - Analysis /informatics software
 - Try to list up
- Invite delegates from other countries in the Asia-Oceania region
 - We will try harder to get more delegates from AO region

Other business

Next chair and site

FDM

| No. | Location | Date | Chair |
|------|----------------------------|---------------------|--|
| 1st | Bandung, Indonesia | 19th May, 2011 | Shane Kennedy (OPAL) |
| 2nd | Tsukuba, Japan | 20th November, 2011 | Rob Robinson (OPAL) |
| 3rd | Kajang, Malaysia | 21st May, 2012 | Kye-Hong Lee (HANARO) |
| 4th | Beijing, China | 26th October, 2012 | Kye-Hong Lee (HANARO) |
| 5th | Tokai, Japan | 19th June, 2013 | Kye-Hong Lee (HANARO) |
| 6th | Guangdong, China | 16th November, 2013 | Kye-Hong Lee (HANARO) |
| 7th | Daejeon, Korea | 20th February, 2014 | Mitsu Shibayama (JRR3) |
| 8th | Serpong, Indonesia | 15th, October, 2014 | Mitsu Shibayama (JRR3) |
| 9th | Sydney, Australia | 19th July, 2015 | Yuntao Liu (CARR/CIAE) |
| 10th | Tokai, Japan | 3rd December, 2015 | Mitsu Shibayama (JRR3) |
| 11th | Guangdong, China | 30th May, 2016 | Yuntao Liu (CARR/CIAE) |
| 12th | Mumbai, India | 17th November, 2016 | Jamie Schulz (OPAL) |
| 13th | Daejeon, Korea | 8th July, 2017 | Jamie Schulz (OPAL) |
| 14th | Bangkok, Thailand | 25th November, 2017 | Toshi Kanaya (J-PARC MLF) |
| 15th | Malaysia | 24th June, 2018 | Toshi Kanaya (J-PARC MLF) |
| 16th | Sydney, Australia | 16th November, 2018 | Sungil Park (HANARO) |
| 17th | Mianyang, China | 24th May, 2019 | Sungil Park (HANARO) |
| 18th | Kenting, Taiwan | 17th November, 2019 | Sungil Park (HANARO)/Fangwei Wang (CSNS) |
| 19th | Zoom | 19th June, 2020 | Fangwei Wang (CSNS) |
| 20th | Zoom | 27th November, 2020 | Kenji Nakajima (J-PARC MLF) |
| 21st | Zoom | 25th June, 2021 | Kenji Nakajima (JRR-3/J-PARC MLF) |
| 22nd | Zoom | 19th November 2021 | Jamie Schulz (OPAL) |
| 23rd | Zoom | 17th June 2022 | Jamie Schulz (OPAL) |
| 24th | Indonesia & Zoom | 24th November 2022 | Kai Sun/Tianfu LI (CARR/CIAE) |
| 25th | Zoom | 16th June 2023 | Tianfu LI (CARR/CIAE) |
| 26th | Dongguan, China | 3rd December 2023 | Young-soo Han (HANARO) |
| 27th | Huisun Farm, Taiwan & Zoom | 7th June 2024 | Young-soo Han (HANARO) |

FDM

| No. | Location | Date | Chair |
|------------------|--|---------------|------------------------|
| 28 th | Mumbai, India | 24 Nov, 2024 | Toshiya Otomo (J-PARC) |
| 29 th | Busan, Korea | 21 June, 2025 | Toshiya Otomo (J-PARC) |
| 30 th | Tokyo, Japan | 14 Dec, 2025 | Taku J Sato |
| 31 st | On-line? Following EC decision (Indonesia or CNCS) | June, 2026 | Taku J Sato |
| 32 nd | At the ANSTO school site | Nov/Dec, 2026 | Jamie? |

Australia-> China-> Taiwan-> Zoomx4-> Indonesia-> Zoom-> China-> Taiwan->
India-> Korea-> Japan-> **Japan -> Australia**

Closing Remarks

Chair



ANBUG

Australian Neutron Beam Users Group

AONSA Member Report

November 2025

35th AONSA EC Meeting
Loisir Hotel Shinagawa Seaside, Tokyo, Japan
15th November 2025

[About ANBUG – ANBUG](#)

EXECUTIVE COMMITTEE -2025



*Prof. Michael Preuss –
President*



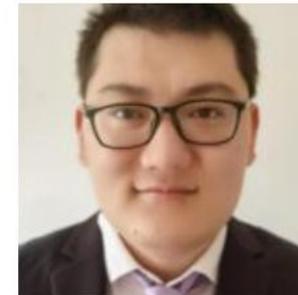
*Prof. Anna Paradowska –
Vice President*



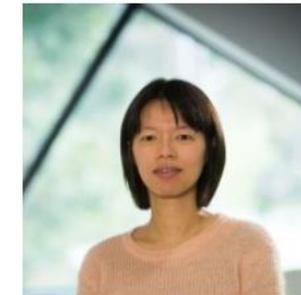
*A/Prof. Chris Wensrich –
Past President*



*A/Prof. Kirrily Rule –
ANSTO Member*



*Dr. Gemeng Liang –
Website and
Communication*



*Dr. Hsin-Hui Shen –
Secretary*



*Prof. Yun Liu – Past
President*



*A/Prof. Tracy Rushmer –
Past President*



*A/Prof. Clemens Ulrich –
Treasurer*



*Dr. Lu (Daniel) Jiang –
ECR Member*



*Dr. Samuel Yick –
Ordinary Member*



*Dr. David Cortie –
Website*

ANBUG Activities since July 2025



Schools and tours for
academia and industry

Supporting and advocating
for the community

ANBUG-ANSTO Events for Academia and Industry



NRS2025 | ANSTO Neutron Reflectometry School

4-5 of November Hybrid Event

JULY 22, 2025 BY DAVID CORTIE

ANSTO Neutron Reflectometry School

Dear colleagues,

The Australian Centre for Neutron Scattering (ACNS) is holding a school on Neutron Reflectometry on 4-5 November 2025.

The first day will consist of lectures (online and in-person) outlining the theoretical background to the technique, its application in a wide range of scientific areas, instrumentation, sample environments, and what happens during an experiment.

ABOUT ANBUG

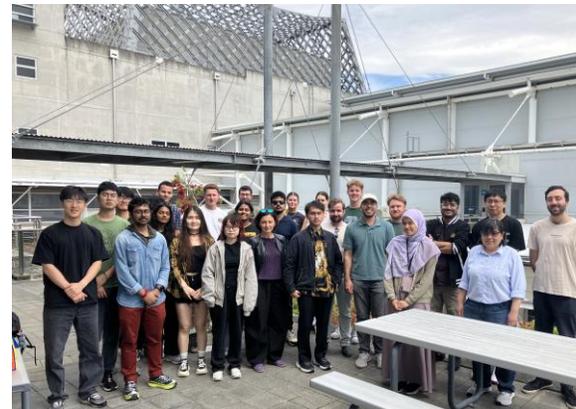
ANBUG is a not-for-profit society representing the Australian and New Zealand neutron scattering community. It also welcomes the many other international users who conduct experiments using the Australian infrastructure. It engages with ANSTO on the provision of high-quality neutron scattering facilities in Australia; presents the collective viewpoint to government and international scientific associations. Our activities involve: advocating your views to neutron sources, government and international

Australian Composites Manufacturing ACM CRC - 21.10.25



<https://www.acmcrc.com/>

Australian Robotic Inspection and Asset Management Hub (ARIAM) 17.10.25



<https://ariamhub.com/>



Lectures on YouTube



ANBUG Neutron

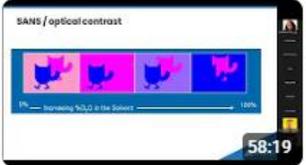
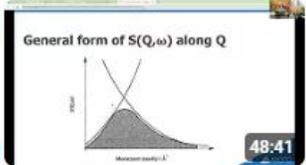
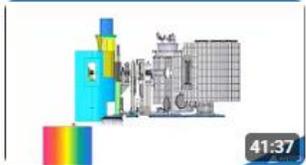
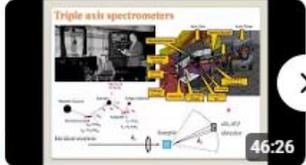
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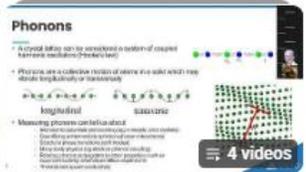
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Videos

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|  <p>58:19</p> |  <p>1:32:37</p> |  <p>57:47</p> |  <p>48:41</p> |  <p>41:37</p> |  <p>46:26</p> |
| ANBUG Town Hall Events: Small-Angle Neutron... 44 views · 1 year ago | ANBUG Town Hall Events: Magnetic Neutron Scattering 121 views · 1 year ago | ANSTO-ANBUG Lecture neutron imaging 115 views · 2 years ago | Energy Filter Neutron Spectrometry 78 views · 2 years ago | PELICAN -a Time of Flight Cold Neutron Spectrometer ... 180 views · 2 years ago | Introduction to neutron scattering experiments with... 416 views · 2 years ago |

Created playlists

| | |
|---|---|
|  <p>2 videos</p> |  <p>4 videos</p> |
| ANBUG Town Hall Events 2024 View full playlist | ANBUG Town Hall Events 2023 View full playlist |

https://www.youtube.com/channel/UC0qi2noIL0a_Vo2R8FkXCEw

ANBUG actions



Proposed changes at ANSTO – Consultation period - potential closer of instruments and loss of expertise

- Coordinating feedback from the community
- Open letter to the ACNS Director, ANSTO CEO and Board
- News in public domains

Michael Preuss • 1st
Professor of Structural Materials at Monas...
1w • Edited •

I will never get tired of highlighting the value of large-scale research facilities to cutting edge research and innovation. Without a neutron source ...more

Monash Engineering
10,834 followers

Cuts to key facilities threaten Australia's global scientific standing ...more

THE CONVERSATION
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Cuts to key research facilities threaten Australia's ability to be a global scientific leader

Published: November 4, 2025 12:18pm AEDT

A view towards the particle injector of the Australian Synchrotron. Paul Moons/Flickr, CC BY-NC-SA



There has been much excitement since Australia signed a landmark agreement with the United States last month to expand cooperation on critical minerals and rare earth elements.

These materials are essential for electric vehicles, wind turbines, and clean energy technologies. The deal promises to help Australia move beyond simply digging and shipping raw materials. Instead, we would refine and manufacture advanced

Authors

Michael Preuss
Professor of Structural Materials, Monash University;
University of Manchester

Maggie Zhai
Associate Professor of Chemistry, RMIT University



[Cuts to key research facilities threaten Australia's ability to be a global scientific leader](#)



ANBUG

Q&A

Upcoming Topics for 2026

NCRIS 2026
Roadmap

Awaiting decisions
from ANSTO
support the
community through
this transition

AANSS 2026
Dec 2026

Schools and
Workshops

ANBUG
Awards 2026

Report from Japanese Society for Neutron Science

Yoshie Otake

The president of JSNS

波紋

The Japanese Society for Neutron Science

AONSA EC meeting
November 15, 2025



2025 Board of JSNS (Apr. 2025- Mar. 2026)

President: Yoshie OTAKE(RIKEN)

Red color: Lady

Members of Council (18)

2024-2025 fiscal year

Osamu Yamamuro (Riken)
Masaki Fujita (Tohoku Univ.)
Rintaro Inoue (Kyoto Univ.)
Yukinobu Kawakita (JAEA)
Maiko Kofu (JAEA)
Mitsuhiro Shibayama (CROSS)
Naoya Torikai (Mie Univ.)
Masahiro Hino (Kyoto Univ.)

Board of Administration

Secretary

Hiroataka Sato (Hokkaido Univ.)
Ryuji Maruyama (JAEA)

Treasurer

Satoru Kobayashi (Iwate Univ.)
Terutoshi Sakakura (CROSS)

Public-Relations

Yohei Noda (Ibaraki Univ.)
Naoto Kitamura (Tokyo Univ. of Sci.)

Newly elected (Nov. 2024):

2025-2026 fiscal year

Seiko Kawamura (JAEA)
Hazuki Furukawa (Ochanomizu Univ.)
Koji Kaneko (JAEA)
Ryoji Kiyanagi (JAEA)
Takenao Shinohara (JAEA)
Hitoshi Endo (KEK)
Junichi Suzuki (CROSS)
Kenji Ohoyama (Ibaraki Univ.)
Masaaki Kitaguchi (Nagoya Univ.)
Asami Sano (JAEA)

Elected by new system:

One for each gender who is less than 50 years old and has no council experience ever.

Events Coordination

Yasuki Okuno (RIKEN)
Takuro Kawasaki (JAEA)
Daisuke Ito (Kyoto Univ.)

Communication

Takuya Okudaira (Nagoya Univ.)
Yuki Ueda (JAEA)

Publication

Yusuke Kousaka (OMU)
Hiraku Saito (Univ. Tokyo)

Current Status of JSNS and Events

Membership Total 604 (as of 1 Oct. 2025)

563 members (including 45 students)

In addition, 41 Senior members

25 supporting members

Events and activities since the last EC meeting

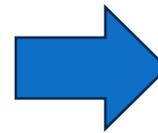
- The “Grand Vision” of JSNS was revised and submitted to the Science Council of Japan at the end of September.
- The 20th Korea-Japan meeting on Neutron Science was held in person; September 12, 2025 at Daejeon, hosted by KAERI.
- JSNS executive meetings (Sep. 2 and Nov. 5, 2025)
- The first round of elections for JSNS council members chose 18 candidates.

(In planning)

- The 14th AONSA Neutron School (The 9th Neutron and Muon School) @ J-PARC MLF and JRR-3 will be held in person. (November 17-21, 2025)
- The 25th Annual Meeting of the Japanese Society for Neutron Science will be held in person; November 26-28, 2025 at Riken Wako Campus, hosted by Riken.
Meeting Chair: Dr. T. Kobayashi; Program Chair: Dr. Y. Yamagata
- The JSNS General Assembly will be held on November 26, 2025 at Riken Wako Campus. JSNS Awards recipients will be honored and present their award lectures.
- Public Lectures: November 30, 2025 at National Tax College
- The second (final) round of elections for JSNS council members will be held at the end of November.

The “Grand Vision” of JSNS

- The Science Council of Japan (SCJ) issued the recommendation “Future Academic Advancement Initiative (2023)” consisting of 19 “grand visions”, where the one from JSNS was accepted (No. 146 in the “Grand vision 16: Research that uses quantum beams to study extreme environments with the goal of contributing to human society”).
- In 2025, the SCJ called for new “grand visions” and revisions of existing “grand visions”.
- JSNS revised the 2023 version of the “grand vision” and submitted it to the SCJ at the end of September.



The 20th Korea–Japan Meeting on Neutron Science

Date: September 12, 2025
Venue: Daejeon Convention Center
Chair: Prof. S. W. Lee (PNU)

Sessions covered facility reports
and scientific topics

Participants: 55
from Korea: 30
from Japan: 25

JSNS financially supported 12 young participants from Japan.

■ Business meeting

- Agreed to continue holding this meeting between Korea and Japan in the future
- The 21st Korea-Japan meeting on Neutron Science
 - Expected timeframe: Dec. 2026~Jan. 2027
 - Venue: Tokyo or Fukuoka, Japan
 - Chair: Prof. Hazuki Furukawa (Ochanomizu Univ.)

Held as a satellite meeting of HANARO symposium



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The 14th AONSA Neutron School / The 9th Neutron and Muon School

Group photo of the 8th Neutron and Muon School in Dec. 2024



The 14th AONSA Neutron School / The 8th Neutron and Muon School

Date: 17th – 21st November 2025

Venue: Tokai, Japan (Onsite only)

This school is organized in cooperation with the IAEA.

Scope of participants:

Graduate students, Postdoctoral fellows and Early career researchers from both universities and companies.

Registered participants (as of Nov. 11) : 39

The 14th AONSA Neutron School
The 9th Neutron and Muon School
17-21 November 2025
J-PARC MLF (Tokai, Ibaraki, Japan)

The School provides lectures and practical training for newcomers to neutron and muon beam research from across the fields of physics, chemistry, biology, materials science and more. The lectures cover most of the basic neutron and muon methodologies applied to material research. In the practical hands-on training, participants will experience actual experiments and data analyses on neutron/muon instruments at J-PARC MLF.

For more information:
URL: <https://conference-indico.kek.jp/event/322/>

E-mail: nm-school@cross.or.jp

Host organization: AONSA, J-PARC, IAEA, KEK, JIMSS, CROSS, J-PSR, IMSS, 東京大学, KEK, J-ARC

In cooperation with: IAEA, J-ARC

Sponsorship: J-ARC, KEK, JIMSS, CROSS, J-PSR, IMSS, 東京大学, KEK, J-ARC

Program

| JST | Day1 (Nov. 17) | JST | Day2 (Nov. 18) | JST | Day3 (Nov. 19) | JST | Day4 (Nov. 20) | JST | Day5 (Nov. 21) |
|-------|--|-------|--|-------|---|-------|-----------------|-------|---|
| 9:00 | Registration | | | | | 9:00 | Hands-on | 9:00 | Hnads-on (preparation for the presentation) |
| 9:45 | | | | | | | | | |
| 9:50 | Opening Remarks: Y. Otake (RIKEN) | 9:30 | Lecture 5 : Inelastic Scattering J.-H. Chung (Korea U.) | 9:30 | Lecture 8 : Neutron Reflectometry S. Park (Pusan Nat'l U) | | | 9:30 | Presentation |
| 10:00 | Activities of the AONSA | | | | | | | | |
| 10:10 | Activities of the IAEA V. Semkova | | | | | | | | |
| 10:40 | <i>Break</i> | 10:30 | <i>Break</i> | 10:30 | <i>Break</i> | | | | |
| 10:55 | Introduction to Neutron Science: Y. Otake (RIKEN) | 10:45 | Lecture 6 : Quasi-elastic Scattering M. Kofu (ISSP) | 10:45 | Lecture 9: Muon quest from the elementary physics to tumulus investigation H. Iinuma (Ibaraki U.) | | | 12:00 | |
| 11:25 | Introduction to Muon Science: T. Adachi (Sophia U) | | | | | | | | |
| 11:55 | <i>Lunch</i> | 11:45 | <i>Lunch</i> | 11:45 | Notice | | | | |
| 13:00 | Lecture 1 : Neutron Diffraction Y. Nambu (Kyoto U.) | 13:00 | Lecture 7 : Small-Angle Scattering A. Sokolova (ANSTO) | 13:00 | Hands-on | 13:00 | Hands-on | 12:00 | <i>Lunch</i> |
| 14:00 | <i>Break</i> | | | | | | | | |
| 14:15 | Lecture 2 : Neutron Imaging T. Kamiyama (Hokkaido U.) | 14:00 | JRR3/MLF Tour (Including Short Lectures) Neutron Production H. Takada (JAEA) Muon Production T. Yamazaki (KEK) | | | | | 14:00 | Closing |
| 15:15 | <i>Break</i> | | | | | | | | |
| 15:30 | Lecture 3 : Muon Spin Rotation/Relaxation F. L. Pratt (ISIS) | | | | | | | | |
| 16:30 | <i>Break</i> | | | | | | | | |
| 16:45 | Lecture 4 : Muonic X-ray Measurements A. Sato (Osaka U.) | 17:30 | <i>Dinner</i> | 17:30 | <i>Dinner</i> | 18:00 | <i>Dinner</i> | | |
| 17:45 | <i>Dinner</i> (Self-introduction) | | | | | | | | |

The 25th Annual Meeting and General Assembly of JSNS



Date: November 26-28, 2025

Venue: Riken Wako Campus at Wako city, Saitama, Japan

Chair: Dr. Tomohiro Kobayashi (Riken)

Registered participants(as of Nov. 5): 144

Contents:

- Scientific sessions (9 oral sessions and 2 poster sessions)
- Award Ceremony
- Symposiums
- Banquet

This event will be followed by JSNS Public Lectures. →

日本中性子科学会 市民公開講座
命を守る！
～中性子が創る未来社会～

大竹淑恵
理化学研究所 チームディレクタ
「理研小型中性子源システムRANSプロジェクト」

大石龍太郎
オリエンタル白石株式会社 常務執行役員
「社会インフラ・橋梁等への
中性子線による非破壊計測」

熊田博明
筑波大学 教授
「量子ビームとがん治療
～ホウ素中性子捕捉療法を中心に～」

2025年11月30日 日
13:00-17:15 (開場13:00)
税務大学校 和光校舎 A講堂

日本中性子科学会では、中性子の利用、中性子施設等についての最新情報を市民に発信することがあり、一人一人でも多くの方々に中性子科学に対する理解・興味が深まることを目指し、市民公開講座を開催します。

対象：中学生以上
定員：600名
参加費：無料

申込締切
11月21日

● 共催：日本中性子科学会、理化学研究所
● 後援：和光市、和光市教育委員会

● 講演会ホームページ
<https://www.jsns.net/jsns2025lecture>
● 内容に関するお問い合わせ
E-mail jsns2025@ml.riken.jp

お申し込みは、インターネットから

New policy for the second term (2025-2026)

President: Yoshie OTAKE(RIKEN)

Making “Science diversity” more visible!

Priority items to be addressed are,

- **Promotion of the state-of-the-art R&D for innovations**
- **Strengthening collaborations between facilities as well as formulating future plans of the society**
- **Enhancing human resources development and assisting next-generation researchers**



日本中性子科学会

| | | | | | | | | | | |
|---------------------|----------------------|-----------------------|----------------------|--------------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
| ホーム | 学会概要 | 中性子とは | イベント | 2025年度年会 | 学会活動 | 学会誌「波紋」 | おしらせ | 賛助会員 | 入会案内 | More |
|---------------------|----------------------|-----------------------|----------------------|--------------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|

日本中性子科学会
会長挨拶



サイエンス・ダイバーシティを実現する中性子科学

大竹 淑恵

会員の皆様には、平素より学会活動に多大なご支援を賜り、心より御礼申し上げます。2023年度より日本中性子科学会の会長を拝命し、この2年間、多くの皆様とともに学会の発展に尽力してまいりました。このたび、引き続き2025年度からの2期目の任を拝命し、改めてその責任の重さを感じております。

日本中性子科学会は、2001年の創立以来、多様な研究分野と産業応用を結びつける役割を担い、持続的に発展を遂げてきました。近年、学術的・技術的な進展に加え、社会的な期待も大きく変化しており、会員の皆様と将来ビジョンを明確に描き、推進することが求められています。

1期目では、「サイエンス・ダイバーシティの推進と見える化」を進め、多様な研究者・技術者・ユーザーの皆様がより活発に学会活動に参画できる環境づくりに努めてまいりました。今後2年間の重点施策は次の3点です。

【今後2年間の重点施策】

- 1, イノベーションを目指した最先端研究開発の促進
- 2, コミュニティ全体としての各機関間の連携強化ならびに学会としての将来計画の策定
- 3, 人材育成の強化と次世代研究者の支援

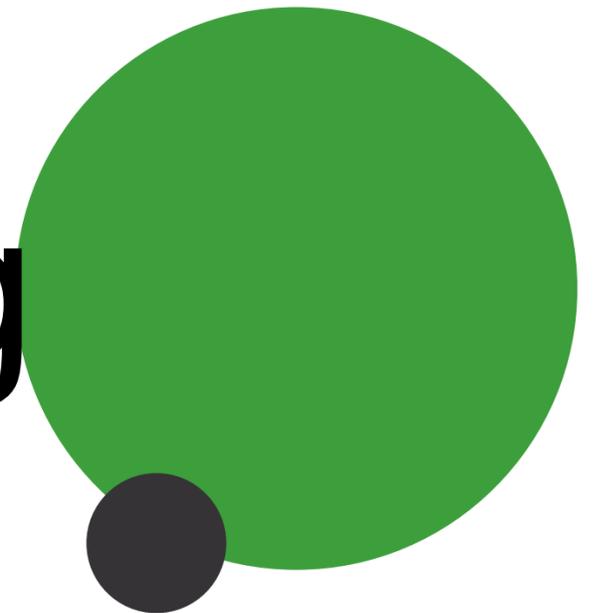


Taiwan Neutron Science Society

November 15, 2025, Tokyo

AONSA EC Meeting

TWNSS Report.



Pai-Chun Wei

President of TWNSS

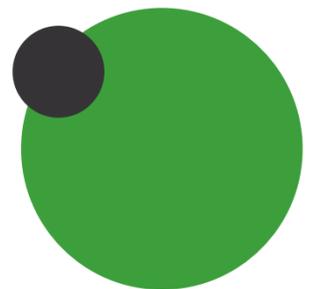
Professor, National Cheng Kung University, Taiwan

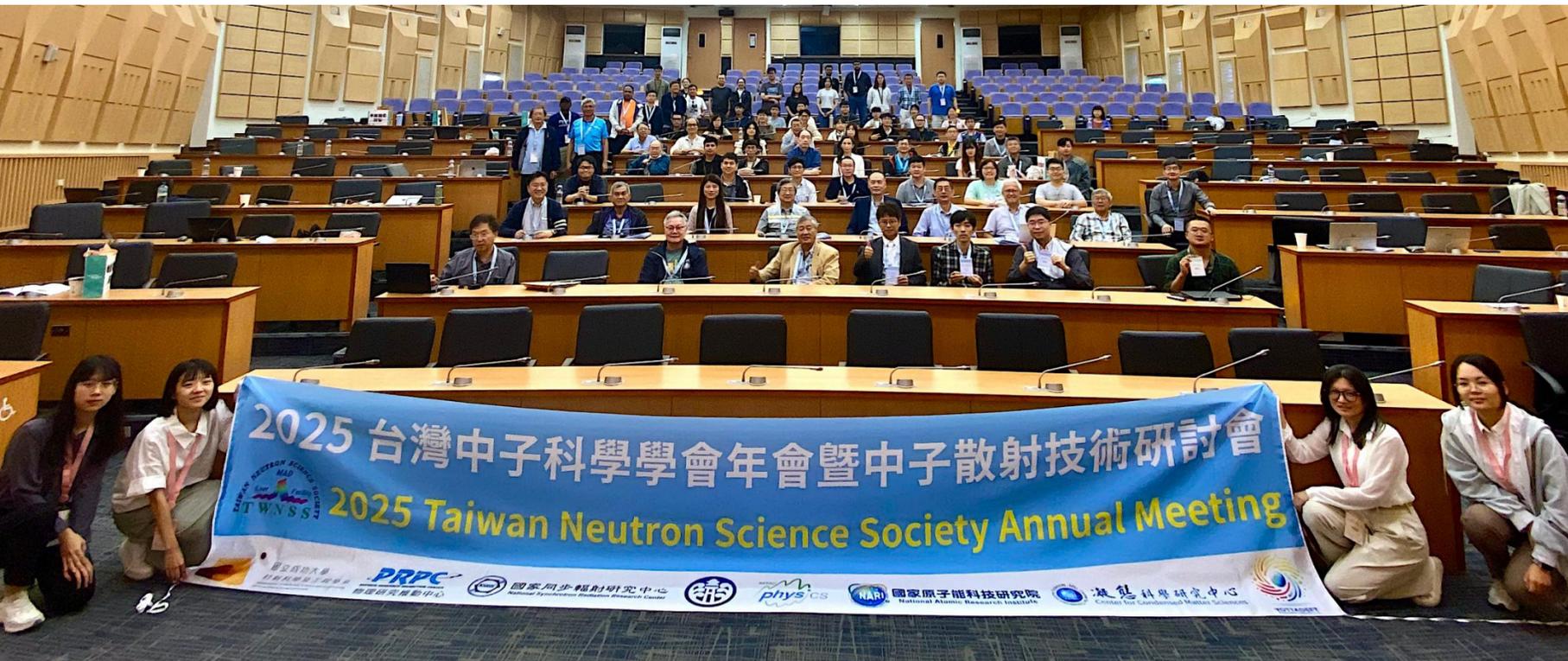


Taiwan Neutron Science Society

Latest Activity

2025 Annual Meeting.





2025 Annual Meeting & Neutron Scattering Workshop

Oct 25-27 in Penghu

Offshore Island of Taiwan
Famous for Basalt





Invited Speakers

TWNSS 2025 Annual Meeting



Research opportunities at JRR-3

Prof. Taku J Sato, University of Tokyo

Chiral-Split Magnon in Altermagnetic MnTe

Prof. Takatsugu Masuda, University of Tokyo

Magnon pseudospin-momentum locking in the noncollinear antiferromagnet

Prof. Kazuhiro Nawa, Tohoku University

My neutron life – for AONSA prize award

Prof. Wen-Hsien Li, Soochow University

Advancing BNCT in Taiwan: Bridging Clinical Practice and Research Innovation

Prof. Hui-Yu Tsai, National Tsing Hua University



And More

TWNSS 2025 Annual Meeting



Neutron Scattering Science at ANSTO: SIKA and SANS Instruments

Dr. Chun-Ming Wu, National Synchrotron Radiation Research Center

Progress Update on the Thermal Neutron Diffractometer for the 70 MeV Cyclotron

Dr. Sheng-Long Jeng, National Atomic Research Institute

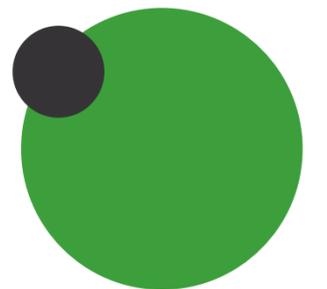
25 Oral Sessions

19 Posters



About TWNSS

Member distribution & publications





Member Distribution



106 Members

49% Physics

7% Chemistry

4% Chemical and Materials Engineering

18% Materials Science and Engineering

10% Atomic Research

6% Synchrotron Radiation Research

2% Engineering and System Science

1% Molecular Engineering

1% Atomic and Molecular Science

1% Microbiology and Immunology

1% Vehicle Engineering

1% General Education

1% Optoelectronics Technology



Publication: 2025

| | |
|----|---|
| 1* | Synthesis and characterization of oleic acid-stabilized cobalt ferrite @MCM-41/nanocomposites for pH-responsive drug delivery Sat Septian Dwitya, Kuen-Song Lin*, Meng-Tzu Weng*, Ndumiso Vukile Mdlovu, Ming-Tao Yang, Chun-Ming Wu J. Ind. Eng. Chem. 143, 339-353 (2025). ANSTO (IF=5.900) |
| 2* | Magnetic structure of ternary intermetallic Tb₃Co₄Sn₁₃ with nonchiral crystal structure Chin-Wei Wang*, Chia-Nung Kuo, Chin-Shan Lue, R.O. Piltz, Chi-Hung Lee* Chin. J. Phys. 94, 355-364 (2025). ANSTO (IF=4.600) |
| 3* | Local chemical heterogeneity enabled superior zero thermal expansion in nonstoichiometric pyrochlore magnets Yanming Sun, Ruohan Yu, Sergii Khmelevskiy, Kenichi Kato, Yili Cao*, Shixin Hu, Maxim Avdeev, Chin-Wei Wang, Chengyi Yu, Qiang Li, Kun Lin, Xiaojun Kuang*, Xianran Xing* Natl. Sci. Rev. 12(3), nwae462 (2025). ANSTO (IF=16.300) |
| 4* | Anomalous Electrical Transport in the Kagome Magnet YbFe₆Ge₆ Yao, Weiliang Yao*,Supeng Liu, Hodaka Kikuchi, Hajime Ishikawa, Øystein S. Fjellvåg, David W.Tam, Feng Ye, Douglas L. Abernathy, George D. A. Wood, Devashibhai Adroja, Chun-Ming Wu, Chien-Lung Huang, Bin Gao, Yaofeng Xie, Yuxiang Gao, Karthik Rao, Emilia Morosan, Koichi Kindo, Takatsugu Masuda, Kenichiro Hashimoto, Takasada Shibauchi*, Pengcheng Dai* Phys. Rev. Lett. 134(18), 186501 (2025). ANSTO,PSI (IF=16.500) |
| 5* | Thermally sensitive infra-red absorption bands and lattice incommensurability in photoelectric (CH₃NH₃)PbI₃ Pai-Chun Wei, Yu-Shan Tseng, Huei-Yin Tseng, Shun-Ji Wu, Jia-Kai Hu, Tung-Yuan Yung, Tai-Cheng Chen, Hung-Cheng Wu, Chun-Min Wu, Wen-Hsien Li* Phys. Rev. Mater. 9(5), 055401 (2025). ANSTO (IF=5.800) |
| 6* | In-situ SANS for the kinetic analysis of β'' precipitation in an Al-Mg-Si alloy following deep cryogenic treatment Levi Tegg, Halsey E.Ostergaard, Matic Jovičević-Klug*, Patricia Jovičević-Klug, Chun-Ming Wu, Julie M. Cairney* J. Alloys Compd. 1025, 180371 (2025). ANSTO (IF=5.800) |
| 7* | Avoided Crossing Phonons Realizes High-Performance Single-Crystalline β-Zn₄Sb₃ Thermoelectrics I-Lun Jen, Cheng-Yen Lin, Wang, Kuang-Kuo Wang, Chun-Ming Wu, Chi-Hung Lee*, Hsin-Jay Wu* Advanced Science, 12(5), 2411498 (2025). ANSTO (IF=15.100) |
| 8* | Multiferroicity and phase diagram of ferro-rotational magnet RbFe(SO₄)₂ Junjie Yang*, Dimuthu Obeysekera, William Ratcliff, Lu Li, Sabine N Neal, Janice L Musfeldt, Shinichiro Yano J. Phys. Condens. Matter. 37(17), 175701 (2025). NIST (IF=2.300) |
| 9* | Sensitivity of electronic structure to crystal distortions in infinite-layered LaNiO₂ |

47 in total
25 publications in 2024
22 publications in 2025 (up to Oct)

Facilities utilized

- 85% ANSTO Australia
- 6% J-parc/JRR-3 Japan
- 4% SNS, ORNL USA
- 2% NIST USA
- 2% ISIS UK
- 2% PSI Switzerland

Member Publications

2024 to 2025

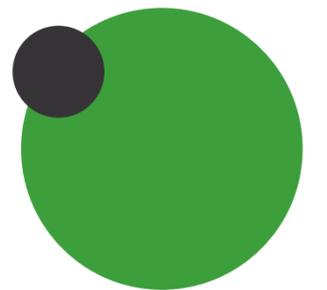




Taiwan Neutron Science Society

Upcoming Activity

2026 Annual Meeting in Tainan





Location

Tainan, Taiwan

Date

To be announced

Annual Meeting Next year



Latest Activity

About Us

Upcoming Acticity



Thank You
For Attention



Taiwan Neutron Science Society

 twnss.org@gmail.com

 www.twnss.org.tw

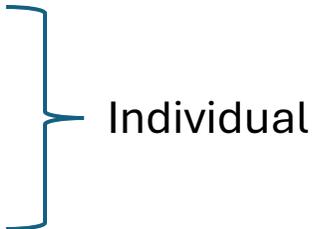
Indonesia Neutron Scattering Society

30th Asia-Oceania Neutron Executive Committees' Meeting

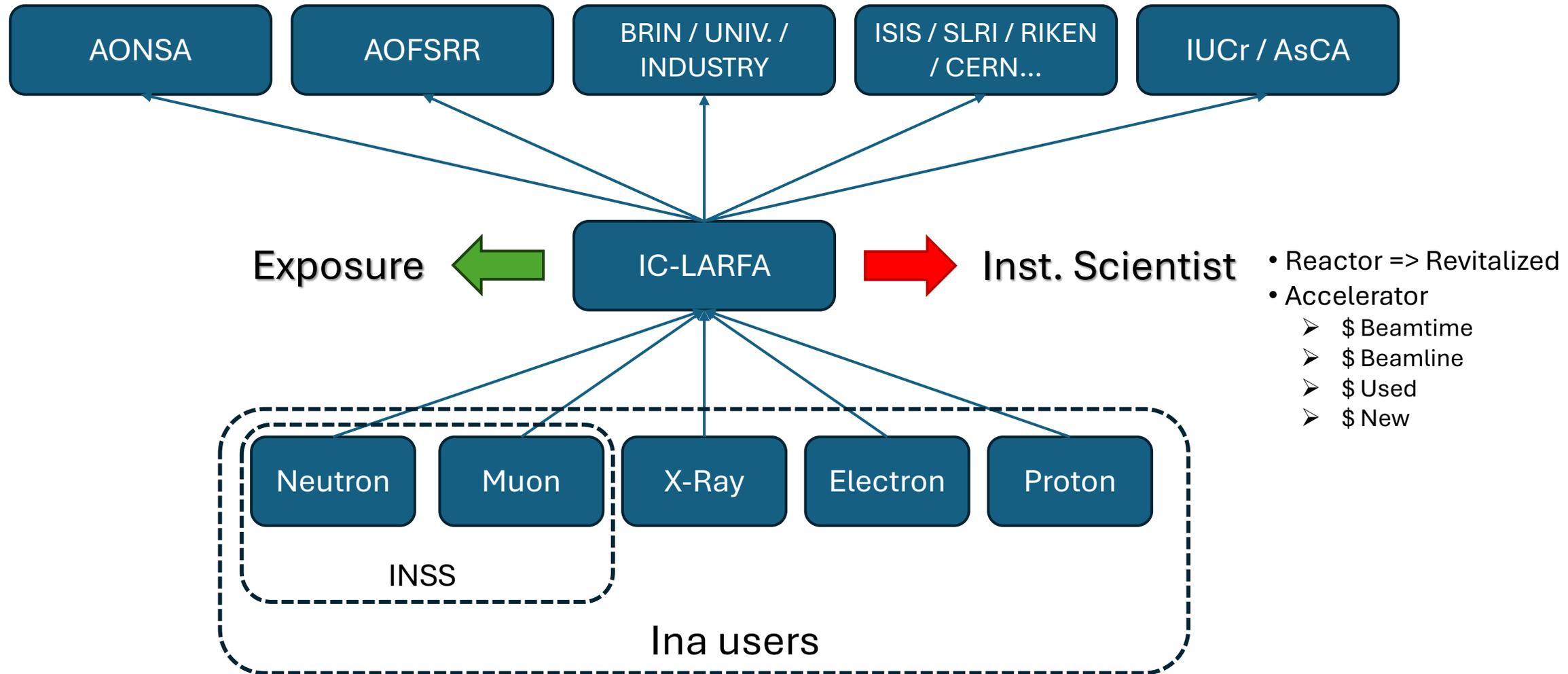
Location : Tokyo-Shinagawa Loisir Hotel & Zoom



Updates & Urgency

- INSS => No significant activity; **est. BRIN** (broader scope) & **regeneration**
- Research sustainability between BRIN (bridge) and university using Large Scale Research Facility (LARFA)
 - ITS => SLRI, ANSTO, RIKEN-RAL
 - UI => ANSTO, PSI, ILL, DESY, SLRI, ARGONNE, ISIS, BARC
 - UNPAD => RIKEN-RAL, ISIS
 - ITB => RIKEN-RAL, ISIS, DESY, PSI
- Network sustainability between BRIN and LARFA (ANSTO, SLRI, JPARC, ISIS, BARC, CERN, RIKEN, CSNS...)
 - **Malaysia-Indonesia access to ISIS end in 2027**; > 40 proposals since Nov '23
- Talent pools
 - **PMDSU (S2+S3) => PKPI (Int. Pub. Qual. Enhancement)**; 3 students to ISIS ~6 mths
 - **Degree by Research**
 - **Researcher => JRV (Joint Research Visit)**
 - Post-Doc

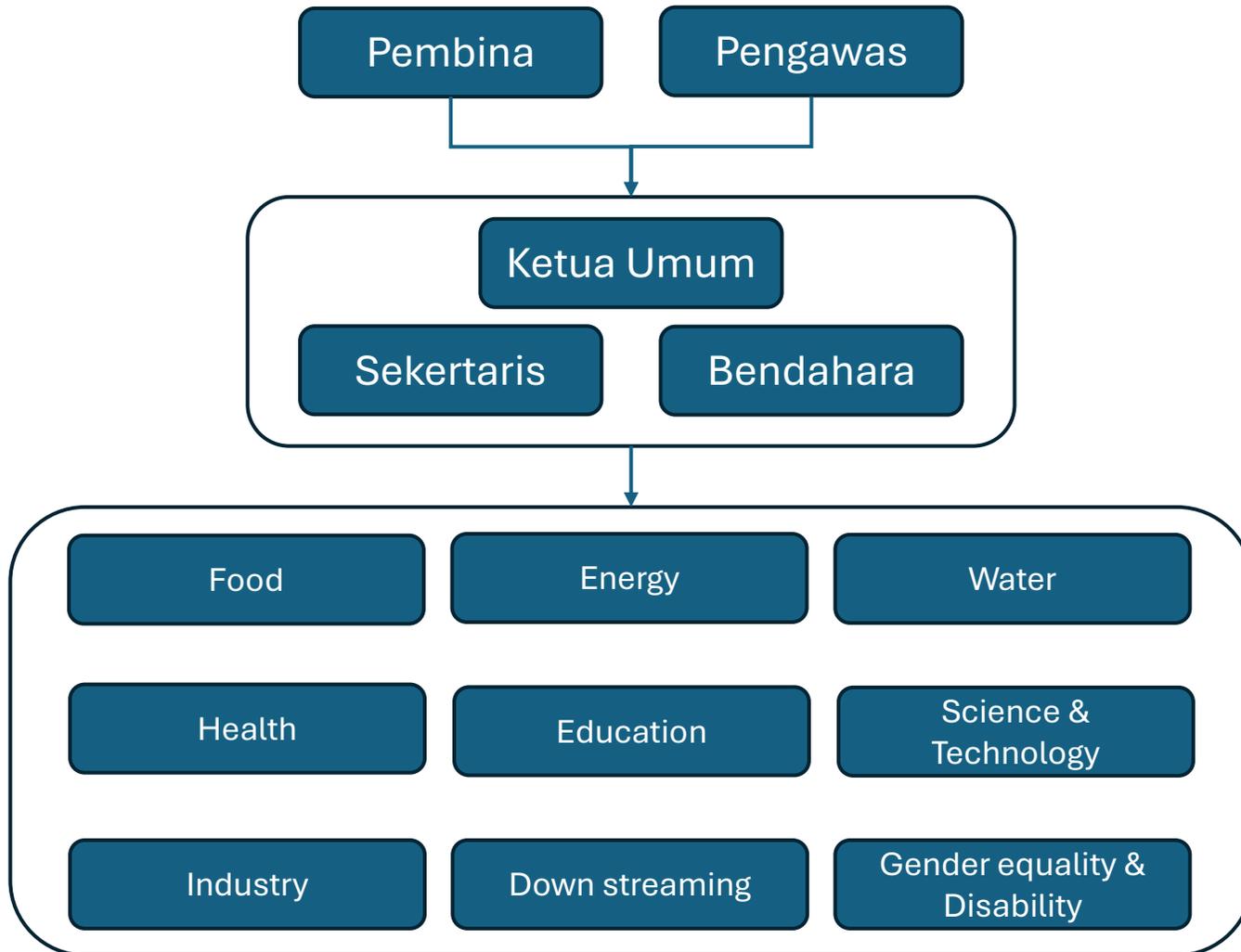
Positioning





The Establishment of the Indonesian Community for a Large-Scale Research Facility (IC-LARFA)

Structure (ver.1)



Pembina:

- Ratno Nuryadi
- Edy Giri, Agung Nugroho (ITB), Darminto (ITS), Budhy Kurniawan (UI), Risdiana (UNPAD)

Pengawas:

- Sudaryanto, Maykel Manawan
- Teguh Y.P.P., Suharyo Sumowidagdo,

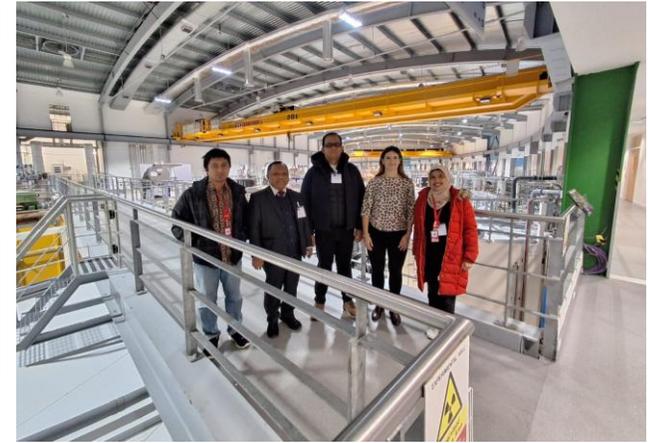
Pengurus:

- Ketua : Indri Badria Adilina
- Waka1 : Malik Bagiya (ITS)
- Waka2 : Zulkaida Akbar
- Sekjen : Januar Widakdo (UI)
- Sekertaris 1: Utami Widyaiswari (UPI)
- Sekertaris 2: Suci Winarsih
- Bendahara 1: Dicky Annas
- Bendahara 2: Nur Ika Puji Ayu (UI)

Agenda

- Diskusi dengan ketua Pembina (30 Juni '25)
- Diskusi dengan Pembina – Online (3 Juli '25)
- Rapat dewan pengurus - Hybrid (21 Juli '25)
- Notaris => Akta organisasi (Agustus '25)
- Website (September '25)
- Society Declaration (5 November '25)





Indri Badria Adilina

Researcher - National Research and Innovation Agency (BRIN)

AONSA Young Research Fellow 2021

Acting Chair of the Indonesian Society for Large Scale Research Facility (IC-LARFA)

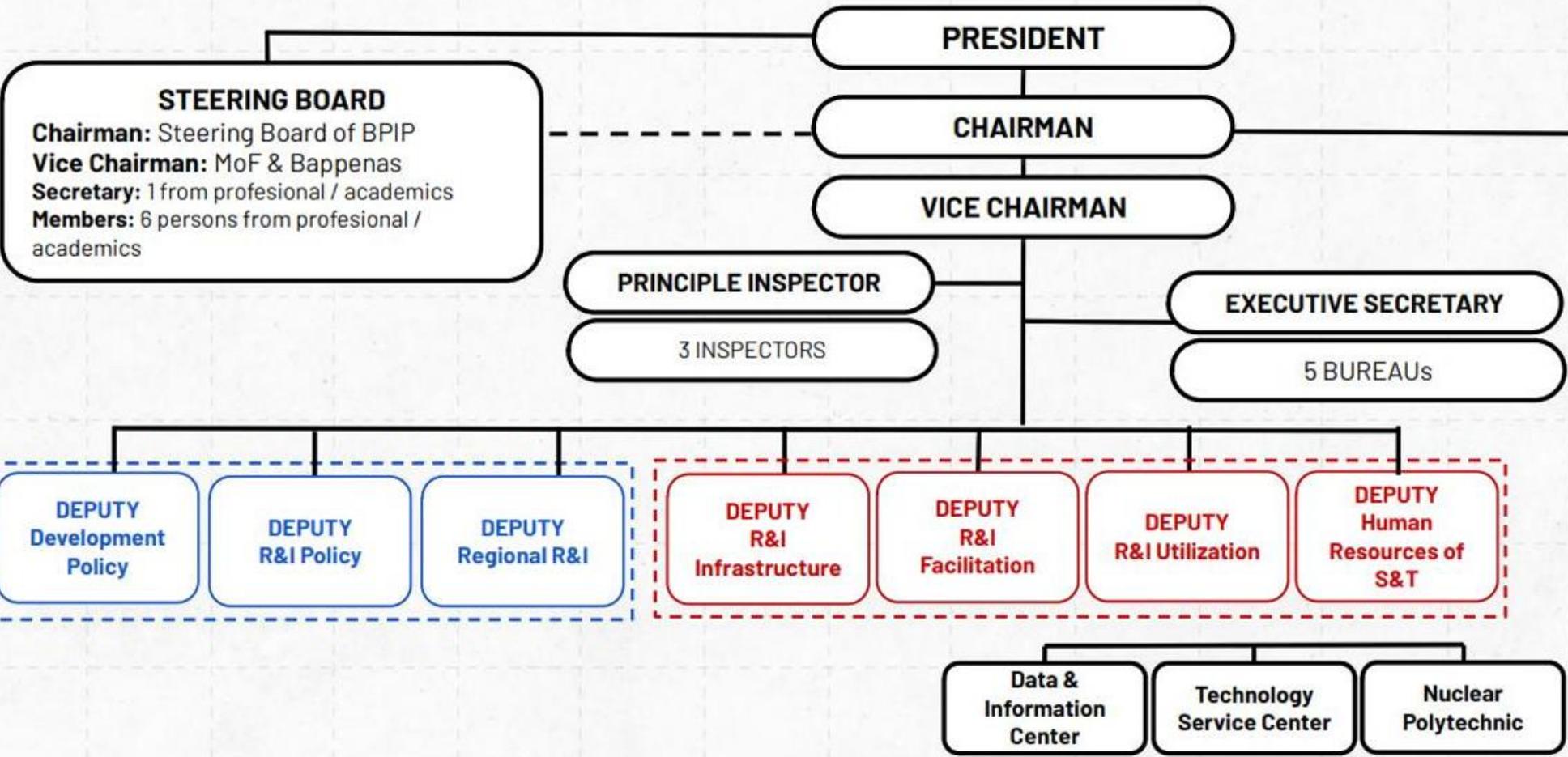
BRIN → MoRT + 4 Agencies + 44 R&D Units



 National Institute of Aeronautics and Space
 Indonesia Institute of Sciences
 Agency for the Assessment and Application of Technology
 National Nuclear Energy Agency

Directions

- Integrating research and innovation (human, infrastructure, budget) resources
- Creating an open (inclusive) and collaborative "global standard" research ecosystem
- Creating the foundation of a strong and sustained research and innovation based economy



- Research Organizations**
- RO Nuclear Energy
 - RO Aeronautics & Space
 - RO Earth Science & Maritime
 - RO Life Science & Environment
 - RO Agriculture & Food
 - RO Health
 - RO Social Science & Humanities
 - RO Archeology, Linguistics & Literature
 - RO Energy & Manufacture
 - RO Nanotechnology & Material**
 - RO Governance, Economics & Public Welfare
 - RO Electronics & Informatics

NUCLEAR
RESEARCH
TECHNOLOGY



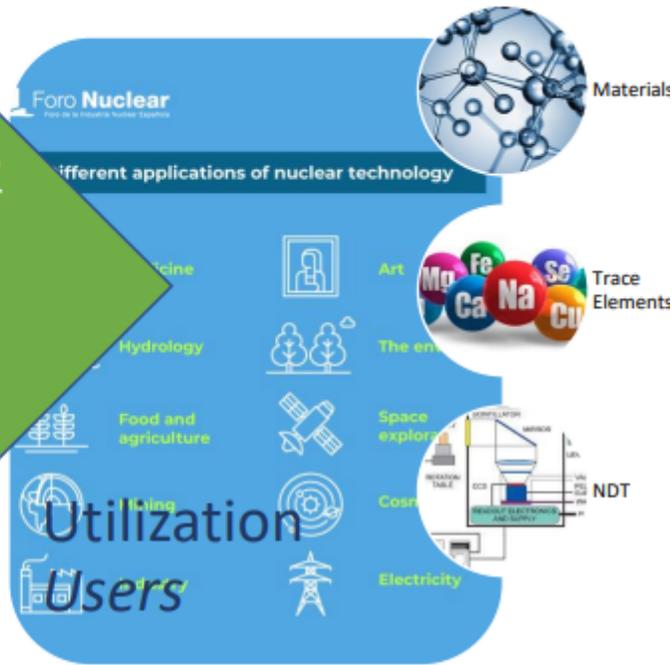
REACTOR



ACCELERATOR

*To Deliver The Nuclear and Particles Beam
To Be Utilized*

- ***Develop NB Facilities***
- ***Develop NB Methods***



WORKING GROUP
FROM MACHINE TO THE USERS COMMUNITY

Indonesian Community for Large-Scale Research Facilities (IC-LARFA)



- Big Science at large-scale research facilities is an important strategic focus for BRIN (neutron, muon, synchrotron X-ray, particle physics)
- February 2024: 1st Conference of Accelerator-Based Sciences and Technology held by BRIN and RIKEN
- March 2024 – October 2025: Visits and research collaboration with ISIS, Diamond, RIKEN, SLRI, and KEK
- November 2025 : BRIN-ISIS International Neutron and Muon Workshop and the launching of IC-LARFA
- IC-LARFA as a hub to increase critical mass in neutron scattering and other accelerator-based science in Indonesia

Our partners:



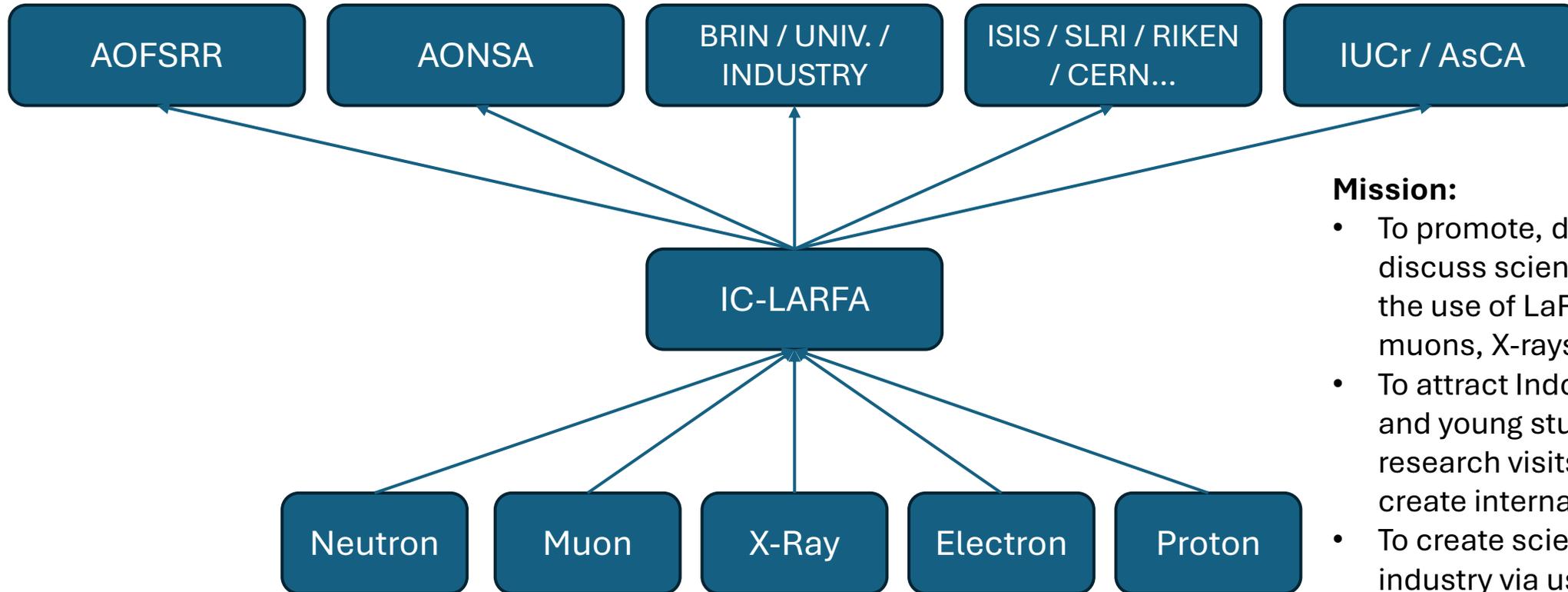
BRIN-ISIS International Neutron and Muon Workshop BRIN Serpong Campus, 4-6 November 2025



IC-LARFA – Nov 2025

Indonesian researchers
(BRIN, University, Industry)

Indonesian Community for Large Scale Research Facility



Mission:

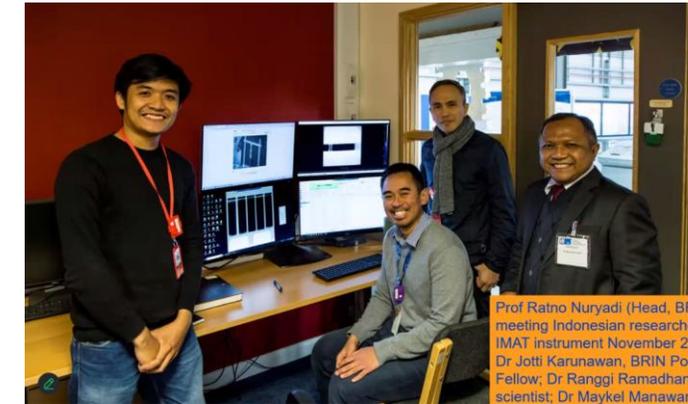
- To promote, disseminate, and discuss science and education on the use of LaRFa (neutrons, muons, X-rays)
- To attract Indonesian scientists and young students for short-term research visits to LaRFa and create international networks
- To create scientific links with the industry via use of LaRFa

Nurturing national talents with global infrastructure
Preparing for Indonesia's Large Scale Research Facility

Our Activities in Neutron Scattering Research



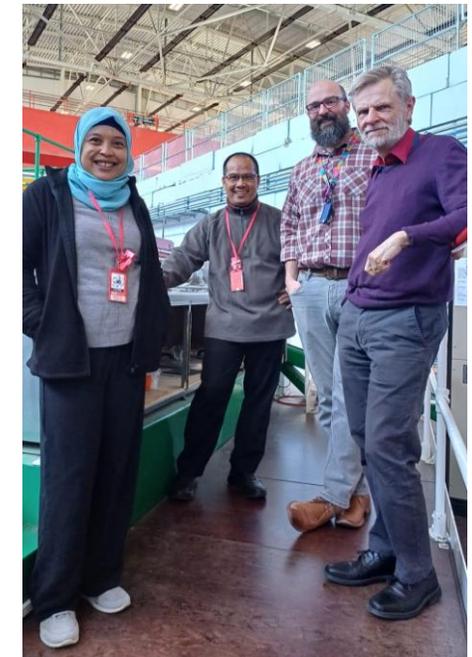
- Neutron beamtime experiments at ISIS Neutron and Muon Source – International Science Partnership Fund UKRI (April 2024 – March 2027)
- MoU established between BRIN and ISIS (October 2024)
- MoU in discussion between BRIN and KEK/JPARC
- MoU in discussion between BRIN and ANSTO
- Neutron training workshop (August 2024 and November 2025)
- Regular LARFA TALKS seminar online/offline
- AONSA School 2025 - 3 BRIN researchers, 1 ITB student (November 2025)



Prof Ratno Nuryadi (Head, BRIN ORNS) meeting Indonesian researchers on the ISIS IMAT instrument November 2024. Left to right: Dr Jotti Karunawan, BRIN Postdoctoral Fellow; Dr Ranggi Ramadhan, ISIS instrument scientist; Dr Maykel Manawan, BRIN



Fahrurrozi Akbar (BRIN), Furqon Bimantoro and Fajri Maulida (Trisakti University) at ISIS in November 2024 studying surfactant



ISIS-Indonesia Partnership

Opportunity for Indonesian and Malaysia researchers to use ISIS

UK International Science Partnerships Fund (ISPF) award, 2023 – 31 March 2027

Support for:

- Experiments at ISIS: beam costs
- Experiments at ISIS: travel and living costs
- Workshops, training
- Visits to the facility
- Dissemination of research results from ISIS experiments

We can support:

- Up to two researchers per experiment
- Flight costs
- Other travel costs
- Food and accommodation whilst at RAL



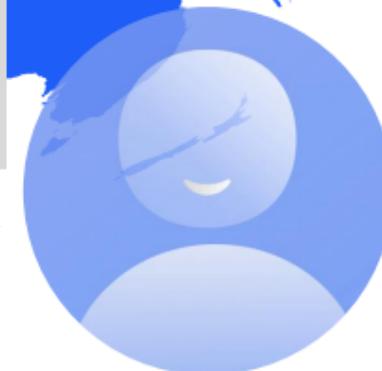
**Indonesia &
Malaysia**
UK ISPF funding



Science and
Technology
Facilities Council

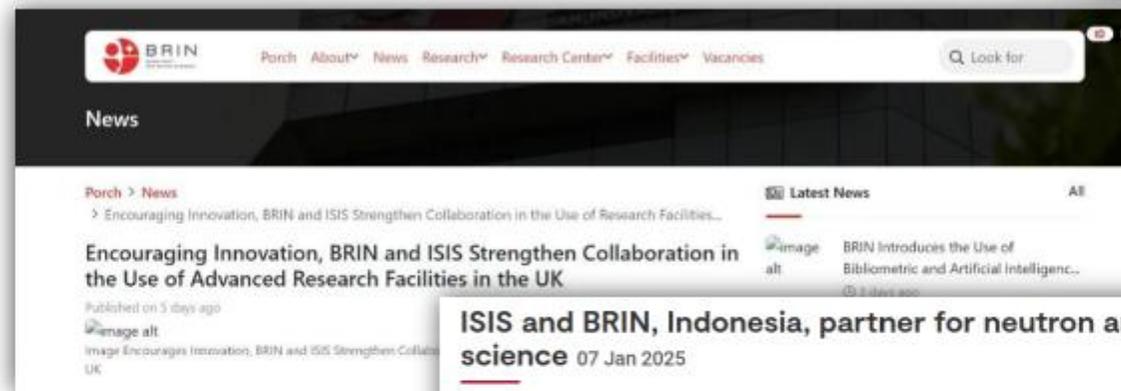
ISIS Neutron and
Muon Source

www.isis.stfc.ac.uk [@isisneutronmuon](https://twitter.com/isisneutronmuon)
[uk.linkedin.com/showcase/isis-neutron-and-muon-source](https://www.linkedin.com/showcase/isis-neutron-and-muon-source)



Indonesia & Malaysia programme: MoU

MoU with BRIN's
Research
Organisation for
Nanotechnology
and Materials
signed October
2024



ISIS and BRIN, Indonesia, partner for neutron and muon science 07 Jan 2025

STFC's ISIS Neutron and Muon Source has signed a Memorandum of Understanding (MoU) with the Research Organisation for Nanotechnology and Materials (ORNM) within BRIN, Indonesia's National Research and Innovation Agency.

The MoU will strengthen collaboration in neutron and muon science between ISIS and BRIN (the National Research and Innovation Agency, Indonesia) through collaborative experiments at ISIS, training in neutron and muon methods, visits between the two countries and the sharing of expertise.

It forms part of a programme of activities supported by the UK's International Science Partnership Fund (ISPF). ISPF supports collaborations between UK researchers and



ISIS Neutron and
Muon Source



Indonesia & Malaysia programme activities: webinars

| | |
|------------------|--|
| 22 January 2024 | Webinar: Introduction to the ISIS Neutron & Muon Source |
| 5 February 2024 | Webinar: Science at the ISIS Neutron & Muon Source: 1 |
| 14 February 2024 | Webinar: Science at the ISIS Neutron & Muon Source: 2 |
| 27 February 2024 | Deadline for submission of outline proposals for MOHE-ISIS joint call |
| 1 March 2024 | ISIS proposal call opens |
| 15 March 2024 | Webinar: Proposal writing and submission for the ISIS Neutron and Muon Source |

Set of webinars, Jan / Feb 2024

Online workshop, March 2025



ORNM BRIN Muon and Neutron Science Workshop

Tangerang Selatan – Indonesia, 21-22 August 2024



Workshop on Muon & Neutron Science
Attended by BRIN researchers, Local Universities and International Collaborators
(UK, Japan, Malaysia and Thailand)

BRIN Strengthens International Collaboration for the Development of Advanced Material Characterization Technology

Published 6 days ago



South Tangerang – BRIN Public Relations. In an effort to strengthen international research collaboration and encourage the development of advanced material characterization technology, the National Research and Innovation Agency (BRIN) through the Nanotechnology and Materials Research Organization (ORNM) held a "Muon and Neutron Science Workshop" at the B.J. Habiebie Science and Technology Area (KST) ON WEDNESDAY-THURSDAY (21-22/08). This event is part of a series of ORNM International Scientific Week 2024

LaRFa Talks #6:
"Increasing Scientific Impact through the X-ray and Neutron Community"

Speaker
S.H. Lau
Vice President,
Business Development
Sigray, Inc.

Speaker
Angga Hermawan
Suci Winarsih
Researcher
ORNM BRIN

Host
Large Scale Research Facilities User Group (LaRFa-UG)

Thursday
17 April 2025

01.30 PM

Ruang Meeting Pleno
Gedung 720 KST BJ Habiebie

Dr. Indri B. Adilina
Research Center for
Chemistry ORNM BRIN

Dr. Maykel Mahawan
Research Center for
Advanced
Materials ORNM BRIN

Supported by:

Lorantika

Zoom Link
bit.ly/3RP55LS

LaRFa Talks #7:
In Situ X-ray Absorption Spectroscopy
for Nanomaterials and Catalysis

Speaker
Pongtanawat Khemthong
Principle Researcher
National Nanotechnology Center (NANOTEC),
National Science and Technology Development Agency (NSTDA)
SUT-NANOTEC-SLRI XAS Beamline (BL5.2)

Cindy M. Septani
SLRI SAXS Beamline User
RC Polymer Technology

Deril Ristiani
SLRI XPS Beamline User
RC Energy Materials

Thursday
28 August 2025

09.00-11.00 AM

Ruang Meeting Accountable
Gedung 720 KST BJ Habiebie

Opening Remarks
Indri B. Adilina
LaRFa-UG Chair
RC Catalysis

Host
Angga Hermawan
RC Nanotechnology Systems

Organized by
Research Organization for Nanotechnology and Materials BRIN
Large Scale Research Facilities User Group (LaRFa-UG)

Zoom Link
bit.ly/3VcCdik

Beamtime Proposals

Indonesia & Malaysia programme activities: Proposal calls

| ISIS proposal call | No. proposals received | | No. proposals accepted | |
|--------------------|------------------------|----------|------------------------|----------|
| | Indonesia | Malaysia | Indonesia | Malaysia |
| 24/1 | 9 | 2 | 7 | 0 |
| 24/2 | 11 | 15 | 7 | 9 |
| 25/1 | 28 | 6 | 13 | 3 |
| 25/2 | 31 | 12 | 17 | 4 |
| 26/1 | 42 | 17 | To come | To come |
| 26/2 | To come | To come | To come | To come |

Topics:

Chemistry and catalysis
Energy Materials
Magnets and superconductor
Structural Biology
Food Science

Techniques:

Inelastic Neutron Scattering
Quasi Elastic Neutron Scattering
Small Angle Neutron Scattering
Neutron Diffraction
Neutron Imaging

Scholarships



KEMENTERIAN PENDIDIKAN TINGGI, SAINS, DAN
TEKNOLOGI

DIREKTORAT JENDERAL PENDIDIKAN TINGGI

Jalan Jenderal Sudirman, Senayan, Jakarta 10270
Telepon (021) 57946104, Pusat Panggilan ULT DIKTI 126
Laman www.kemdiktisaintek.go.id

**Ministry of Higher Education,
Science and Technology**
*International Publication Quality
Improvement Scholarship (PKPI)*

| | | | | |
|----|-------------------------|-----------------------|----------------|--|
| 55 | Andreas Federico | Universitas Indonesia | United Kingdom | ISIS Neutron and Muon Source |
| 66 | Okvarahireka Vitayaya | Universitas Indonesia | United Kingdom | ISIS Neutron and Muon Source, Rutherford Appleton Laboratory |
| 68 | Phahul Zhemas Zul Nehan | Universitas Indonesia | United Kingdom | ISIS Neutron and Muon Source, Rutherford Appleton Laboratory |



ISIS Neutron and
Muon Source

Announced September 2025

Three students coming to ISIS for around 6 months

Next Steps:

- Online and in person training/workshops
- Beamline experiments
- Open membership
- IC-LARFA 1st Congress/User Meeting (2026)
- IC-LARFA Executive Committee selection (during congress)
- Siwabessy Award dan Memorial Lecture held by BRIN
- Joint research visit (JRV) funding from BRIN
- Strengthening collaboration in the Asia-Oceania
- AONSA Young Research Fellow application
- AONSA Meeting in Indonesia



Thank you
Let's collaborate!



A brief report from the Russian neutron scattering society (ROSNEUTRO)

A.F. Gubkin

M.N. Mikheev Institute of metal physics, Ekaterinburg, Russia

Institute of nuclear materials, SC Rosatom



Russian
Neutron Scattering
Society

www.rosneutro.ru

ROSNEUTRO team since 2022

President: Dr. A.F. Gubkin, MIMP

Vice President: Dr. E.A. Kravtsov, MIMP

Secretary: Dr. N.V. Proskurnina, MIMP

Executive committee:

Dr. M.V. Avdeev, JINR, Dubna

Prof. A.M. Balagurov, JINR, Dubna

Dr. D.P. Kozlenko, JINR, Dubna

Dr. A.V. Varivtsev, INM SC Rosatom, Zarechniy

Prof. V.V. Voronin, NRCKI - PNPI, Gatchina

Prof. S.V. Grigoriev, NRCKI - PNPI, Gatchina

Prof. A.I. Kurbakov, NRCKI - PNPI, Gatchina

Dr. V.T. Em, NIC KI, Moscow

Prof. S.V. Rogozhkin, MEPHI Univ, Moscow

IBR-2 research reactor

IVV-2M research reactor

PIK research reactor

IR-8 research reactor

User community

More than **300** registered
members of ROSNEUTRO

Neutron facilities:

| | | |
|---|--|-------------------------------------|
| I. JINR, Dubna IBR-2, 1984 / 2012, 2 MW | 15 instruments TOF-technique | Operating |
| II. NRCKI, Moscow IR-8, 1957 / 1981, 8 MW | 6 instruments $\lambda = \text{const}$ | Operating |
| III. IMP, Yekaterinburg IVV-2M, 1966 / 1982, 15 MW | 3 instruments $\lambda = \text{const}$ | Operating |
| IV. TPU, Tomsk IRT-T, 1967/2020, 6 MW | 1 instrument 1 instrument $\lambda = \text{const}$ | Commissioning Under construction |

Ongoing commissioning

| | |
|---|--|
| V. PNPI, Gatchina PIK 100 MW $\lambda = \text{const}$ | 7 MW power reached in February 2022 11 instruments has been manufactured 9 instruments is under construction |
|---|--|

Youth School on Condensed Matter Physics (FKS School, 2025) 21-28 March, 2025

*Hosted by Petersburg's Nuclear Physics Institute
of National Research Center "Kurchatov Institute"*

~60 participants



**Молодежная Школа по физике
конденсированного состояния
(Школа ФКС-2025)**

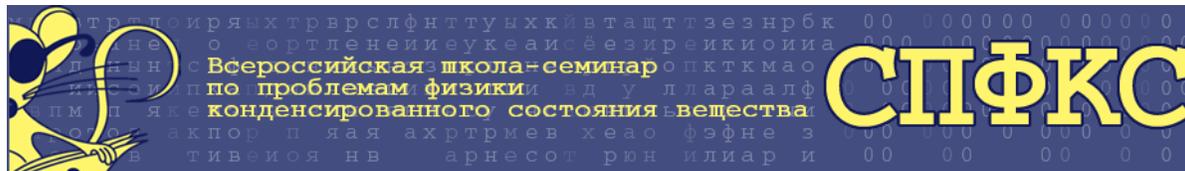
24 - 28 марта 2025 года, отель "Райвола", ул. Песочная, д.1, Роцино, Выборгский район, Ленинградская обл.



Youth School on Condensed Matter Physics (SPFKS School, 2025) 14-20 March, 2025

Hosted by M.N. Mikheev Institute of metal physics

~80 participants



Kurchatov's forum «Application of synchrotron, electron and neutron radiation in science»
Moscow, 21-25 October, 2025

In total: More than 450 participants

1 Section of the forum was related to neutron scattering



RNIKS-2025 was hosted by Tomsk Polytechnic University, Tomsk, 29th September - 3rd October, 2025.

Conference topics:

- Neutron research in the physics of magnetic phenomena
- Crystal structures and elementary excitations
- Non-crystalline materials, polymers, liquids and biological systems
- Surfaces, thin films and multilayer structures
- Materials science and solid state chemistry
- Applied and industrial research with neutrons (energy, transport, non-destructive testing, reactor materials science)
- Fundamental research with neutrons
- Neutrons for cultural heritage
- Experimental techniques: neutron sources, neutron optics, detectors, sample environment systems, software and data processing

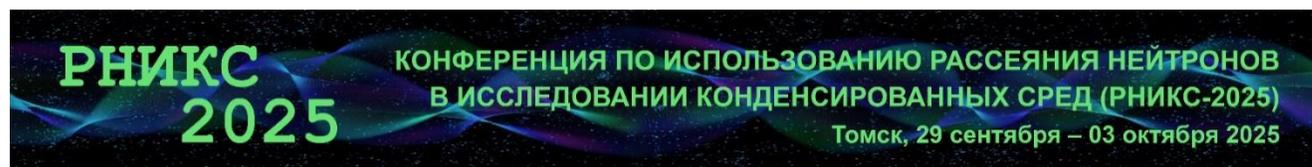


10 Plenary talks, 110 Oral talks, 30 Poster talks

20 Russian institutes and universities

1 international intergovernmental organization (JINR)

5 Russian companies



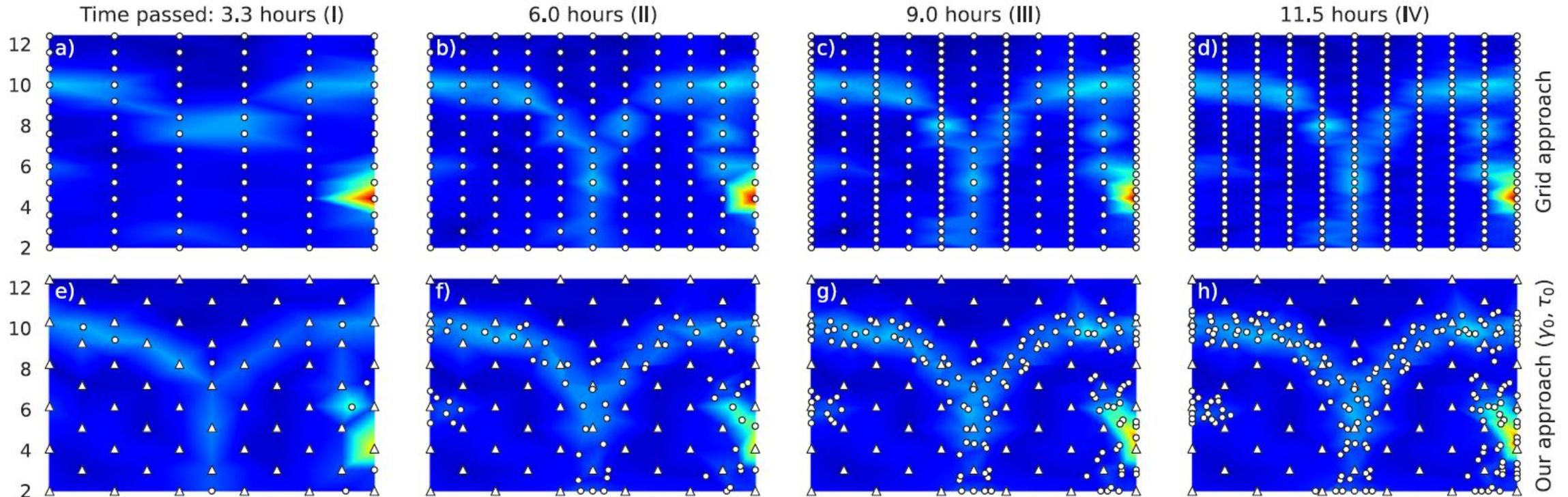
Machine-learning approach to improve the experiment

By courtesy of Dr. S. Nikitin

- User defines the desired time of measurements and boundaries of Q-E regions to be mapped out
- Algorithm measures intensity at a rough grid and then automatically selects the next point for the measurement

The main criteria – minimization of the total uncertainty of the data

Phonons in SnTe measured on EIGER





ROSNETRO medal 2025: «for outstanding contribution in development of theory and practice of neutron scattering»

Corresponding Member of the Russian Academy of Sciences,
Prof. V.L. Aksenov from Joint institute of nuclear research, Dubna

Prof. V.L. Aksenov is one of Russia's leading scientists in the field of neutron research of condensed matter and a laureate of the Russian Federation State Prize in Science and Technology for the development and implementation of new methods of structural neutron diffraction using time-of-flight technique at the pulsed and steady-state reactors.



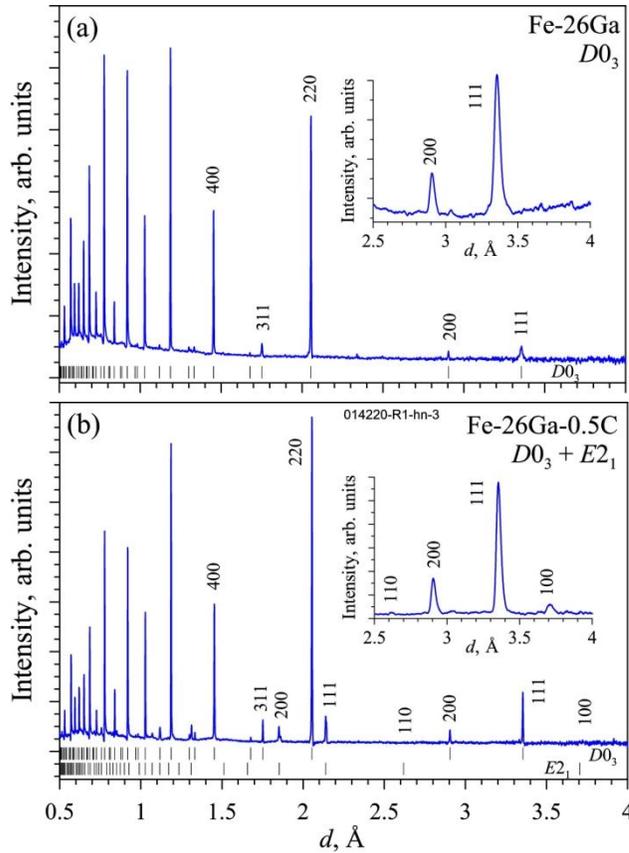
A medal talk of **Prof. V.L. Aksenov**
«Resonance neutron reflectometry»

Neutron science roadmap in Russia

A preliminary negotiations on building of a National strategy in neutron science was initiated by Kurchatov institute

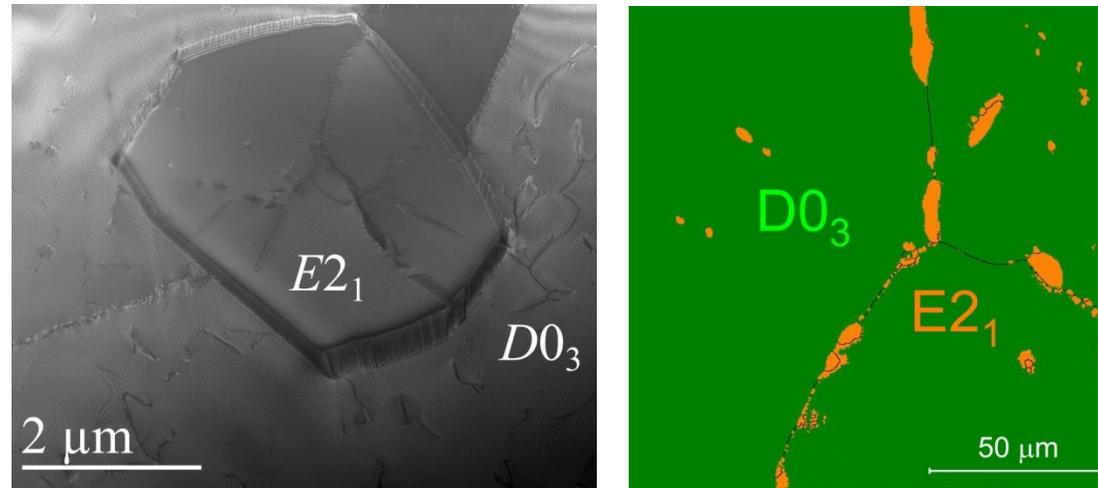


JINR: First comprehensive structural study of the κ -carbide phase in Fe-Ga(Al) alloys

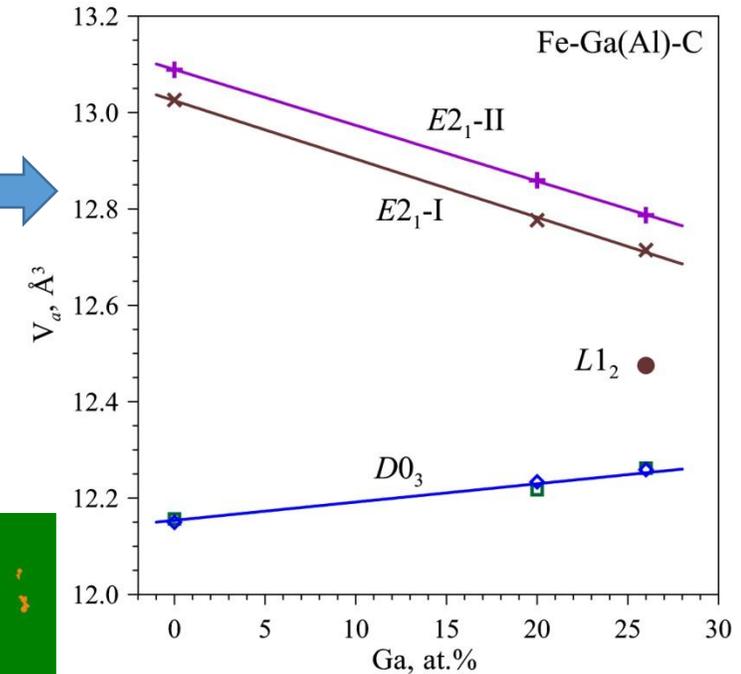


Neutron diffraction patterns of Fe-26Ga ($D0_3$ phase) and Fe-26Ga-0.5C (mixture of $D0_3$ and $E2_1$ phases) alloys, measured at the IBR-2 pulsed reactor.

Experimental data obtained from high-resolution neutron diffraction studies on bulk samples have shown that the presence of carbon in $Fe_{74}Ga_{26}$ and $Fe_{74}(Ga,Al)_{26}$ alloys leads to the formation of a perovskite-like $E2_1$ -type structure (κ -carbide). Samples are from National Chung Cheng University, Taiwan. Neutron diffraction experiments were performed at HRFD (IBR-2) and (partially) at GPPD (CSNS).

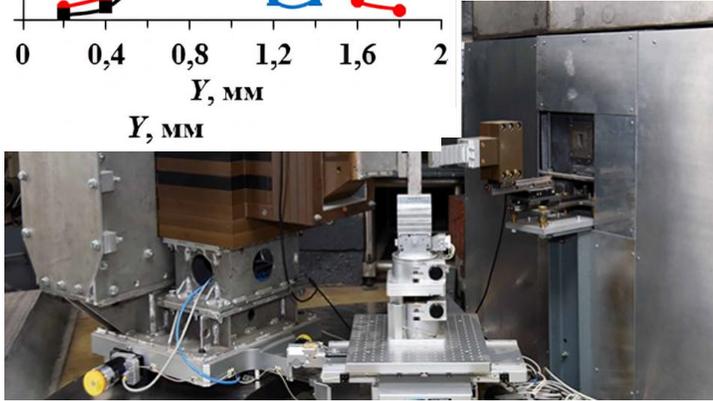
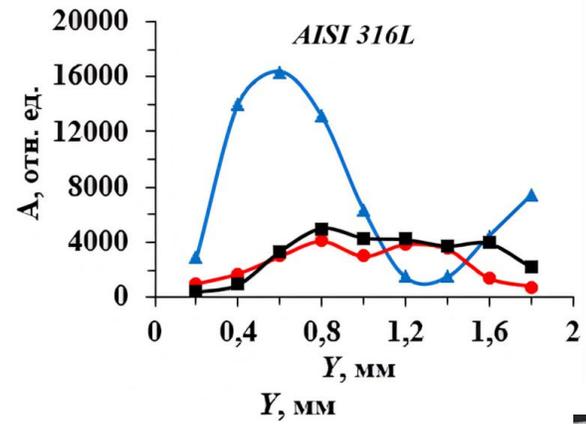


SEM (left) and EBSD (right) images of the $E2_1$ phase on the surface of the main $D0_3$ phase in the Fe-26Ga-0.5C sample

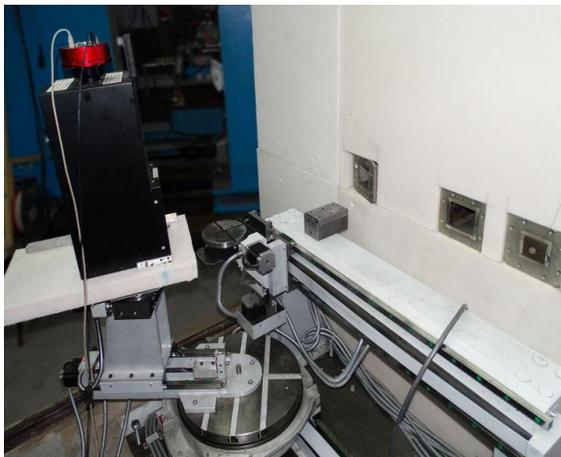


Atomic volumes of the $D0_3$ and $E1_2$ structural phases (two components) observed in the Fe-26(Al,Ga)-0.5C compositions as a function of gallium content. Separate dot shows V_a for the standard $L1_2$ phase in Fe-26Ga.

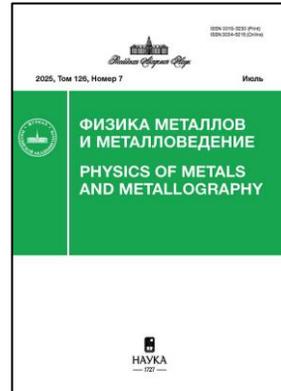
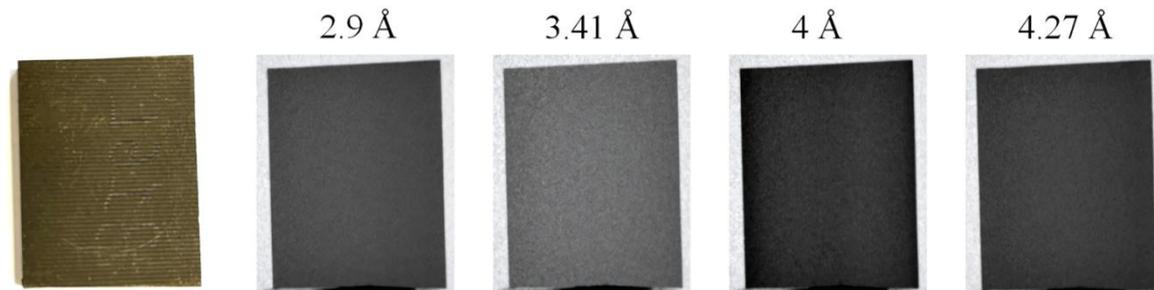
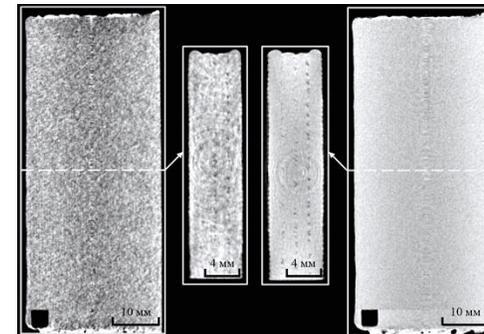
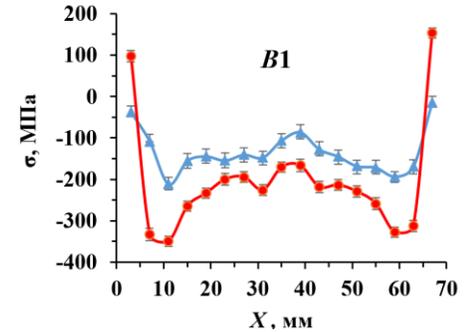
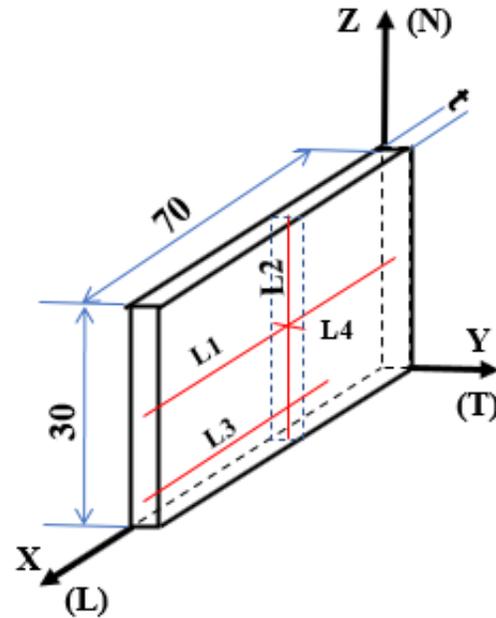
KI: Neutron studies of residual stresses and texture in steel plates produced by direct laser growth



Stress diffractometer «STRESS»



Neutron imaging instrument «DRAKON»



MIMP:

Materials Today Physics 59 (2025) 101905

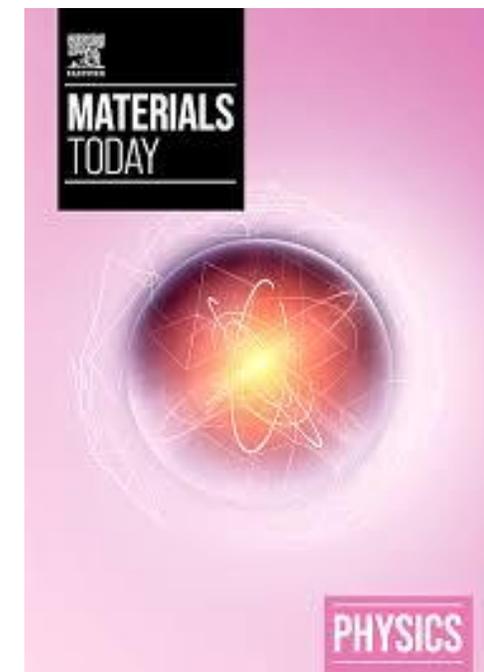
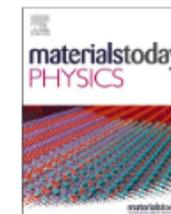


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Commensurate magnetic structures in ThCr_2Si_2 -type materials: A new symmetry-based classification scheme and prediction of emergent phenomena

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ABSTRACT

RM_2X_2 (R – is a rare-earth metal or K, Ca, Ba and others; M – is a 3d-, 4d-, 5d-transition metal; X – is Si, Ge, P, As and others) materials with the ThCr_2Si_2 -type crystal structure exhibit a remarkable diversity of magnetic structures and phase transitions. We perform a comprehensive representational analysis of commensurate magnetic structures and propose a new classification scheme based on symmetry consideration. Our analysis demonstrates that all previously reported commensurate magnetic structures in these materials conform to this scheme. Furthermore, it allows us to suggest novel magnetic structures for unexplored RM_2X_2 compounds, identify altermagnets among them and predict several emergent phenomena in these materials such as anomalous Hall and Nernst effects and transverse piezoelectric effect.

Thank you for your attention!