

(Draft) Minutes of the 12th AONSA Executive Committee Meeting

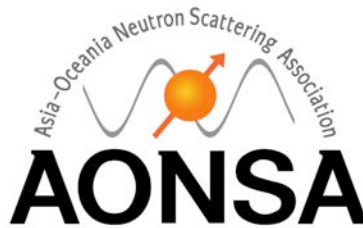
Daejeon Convention Centre, Daejeon, Republic of Korea
February 21, 2014

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(Group Photo of 12th EC Meeting)



(Draft) Minutes of the 12th AONSA Executive Committee Meeting

Date: 9:00-17:00, February 21 (Friday), 2014

Place: Daejeon Convention Centre, Daejeon, Republic of Korea

Participants: 14

[Board Members]

Wen-Hsien Li (President, TWNSS; NCU)

Sung-Min Choi (Vice-President, KNBUA; KAIST)

Yasuhiko Fujii (Past President, JSNS; CROSS)

Chris Ling (Secretary, ANBUG; U. Sydney)

Hideki Seto (Public Relations Officer, JSNS; KEK)

[Members]

Toshiji Kanaya (JSNS; Kyoto U)

Jae-Ho Chung (KNBUA; Korea U)

Hsiung Chou (TWNSS; National Sun Yat-Sen U)

Hsi-Mei Lai (TWNSS; National Taiwan U)

[Observers]

Mitsuhiro Shibayama (JRR3)

Kye Hong Lee (HANARO/KAERI)

Jamie Shultz (ANSTO, on behalf of R. Robinson)

[Special Observers]

Ki Bong Lee (KNBUA; POSTECH)

In Cheol Lim (HANARO/KAERI)

[Apologies]

Dongfeng Chen (Treasurer, CNSS; CIAE)

Masatoshi Arai (J-PARC/JAEA)

Samrath Chaplot (NSSI, BARC)

Hesheng Chen (CNSS; IHEP)
Evan Gray (ANBUG, Griffith U)
Wim Klooster (SC/Singapore)
Yuntao Liu (CARR/CIAE)
Abdul Aziz Mohamed (Malaysian Community/UNITEN)
Dhananjai Pandey (NSSI, Banaras Hindu U)
Edy Giri Rachman Putra (BATAN, on behalf of Sutiarto)
Rob Robinson (ANSTO)
Fangwei Wang (CSNS/IHEP)

1. Opening remarks by AONSA President Wen-Hsien Li

AONSA President W-H Li opened the meeting by thanking K-H Lee for his great effort in organising this meeting. He also thanked past Presidents of AONSA, particularly the immediate Past President Y Fujii, for their leadership and stewardship of AONSA since its inception. He welcomed new members of the EC and Board, as well as new Observers, and invited them to introduce themselves.

2. Approval of Agenda

The agenda of the 12th AONSA EC meeting was approved by the EC.

3. Report of the Minutes of the 11th AONSA EC Meeting in Dongguan

The minutes of the 11th AONSA EC meeting in Dongguan, which was circulated to the EC members and observers through email previously, were distributed to all the EC participants as hard copies at the meeting.

4. Report from the AONSA Office

The AONSA Office has undergone a significant change with the departure of Ms Yukino Inoue. She will be replaced by Ms Chikako Doda from April 2014, following a 2-month handover period. All members of the EC and Board thanked Ms Inoue for her invaluable service to AONSA over the preceding years, and wished her the best for her future in Osaka.

5. Discussions and formal matters

5.1. Formal matters

There were no formal matters discussed at this meeting.

5.2. Process matters

There were no process matters discussed at this meeting.

5.3. Financial matters

5.3.1. Annual Fee and Budget Plan

The report as at 31/12/13 from the former Treasurer, S Chaplot, was presented (*Appendix 1*). D Chen will provide a full report for the Minutes prior to the next EC meeting.

Action: D Chen to provide a full report on the Annual Fee and Budget Plan for the Minutes prior to the next EC meeting.

5.3.2. AONSA Prize Fund and Budget Plan

The report as at 31/12/13 from the former Treasurer, S Chaplot, was presented (*Appendix 1*). D Chen will provide a full report for the Minutes prior to the next EC meeting.

Action: D Chen to provide a full report on the AONSA Prize Fund and Budget Plan for the Minutes prior to the next EC meeting.

5.4. AONSA Prize

5.4.1. Rules

S-M Choi presented a proposal to revise the Rules for AONSA Prize. This was discussed during the meeting and the changes were accepted. Specifically, the number of members of the Selection Committee was changed from 5 to 6 to reflect the fact that the number of regular member societies of AONSA has increased from 5 to 6.

5.4.2. Selection Committee

S-M Choi put forward 6 nominations the Selection Committee, for approval by the EC (*Appendix 2*). All were approved. However, it was noted that all are researchers in the area of “hard condensed matter” except one (S-M Choi). The Chair (S-M Choi) would like to co-opt another researcher in the area of “soft matter” if there is a nominee from that field. It was noted that an equivalent procedure could be followed if a nomination is made in, e.g., fundamental physics, according to the rules for the Prize. Co-opted members can be approved by a circulating email among members of the EC.

5.4.3. Schedule

The schedule for the 3rd AONSA Prize was presented by S-M Choi (*Appendix 3*). In the discussion in the EC, it was suggested that the deadline for the EC to complete reviews for all nominees should be changed from 2014-08-15 to 2014-08-31, in order to allow more time for review.

5.4. AONSA Neutron School

5.5.1. Report from the organizers of the 6th AONSA Neutron School

The 6th ANSA Neutron School will take place in Indonesia in October 2014. It will be organized by Edy Giri Rachman Putra, who joined the EC meeting by Skype to make his presentation (*Appendix 4*). He pointed out that the Agenda is only tentative at this stage.

The first day will overlap with the Materials Science and Technology meeting (organised by BATAN), which is expected to have ~200 participants. The School and MST meetings will become separate after lunch on the first day. An IYCr event will be held during this first morning session, rather than the reception. EC members pointed out that it should be clearly labeled as a joint AONSA-IYCr event, since we are funding it (\$2000 extra on top of normal \$3000) and it will be AONSA's main contribution to IYCr.

EC members pointed out that 1h15 is very long for the talks on the first day (IYCr celebration), and suggested 3 speakers instead of 2. EC members will help the organisers identify suitable speakers.

5.5.2. Dates for the 7th AONSA Neutron School

The 7th AONSA Neutron School will be held in Tokai, Japan, in October or November 2015, with a preference for November. It will be organized by M Shibayama with support from J-PARC.

5.6. Asia-Oceania Conference on Neutron Scattering (AOCNS)

C Ling presented a report on preparations for the 2nd AOCNS in Australia in 2015, (*Appendix 5*).

5.7. ICNS2017 in Korea

KB Lee presented a report on preparations for ICNS2017 in Korea. The meeting will be co-hosted by KAERI and KNBUA. The Chairs of the Organising Committee are SM Choi and K-H Lee. The meeting will be held in either mid-July (which will be hot but more convenient for North American and European delegates) or October (which will have better weather).

5.8. AONSA Newsletters and Homepage Design Update

H Seto presented a report (*Appendix 6*). The next newsletter is scheduled for April 2014, with deadline for articles in mid-March. The first page of this issue will feature messages from new Board member. The issue will also contain announcements the upcoming AONSA neutron school and ICANS, a call for nominations for the AONSA Prize, as well as reports from meetings etc.

5.9. AONSA Visiting Fellows

S-M Choi presented the final draft of the rules for AONSA Visiting Fellows for approval. The document was edited together in the EC meeting. Details of the changes, the discussion,

and the final updated version can be found in *Appendix 7*. Specific changes included a reduction in the minimum time from 6 months to 3 months, in order to be less restrictive.

The process will start this year, with the Selection Committee to be approved by circulating email.

Action: S-M Choi to collect nominations for the Selection Committee for the AONSA Visiting Fellows and circulate it among EC member for approval.

5.10. Possible collaboration with ICSU and IUCr

W-H Li reported on the possibility of AONSA joining ICSU. It was noted that the next ICSU deadline is the end of 2015, and that applications must be submitted by an international union, e.g., the IUCr.

Action: W-H Li to form a working group (tentatively composed of J White, Y Fujii, W-H Li, C Ling and S-M Choi) to prepare a case to the IUCr.

S-M Choi made a presentation outlining possible IAEA financial support for AONSA activities, specifically the AONSA Visiting Fellows program (*Appendix 8*). Unfortunately it appears that the IAEA scheme does not fit well with the AONSA Fellow Scheme.

Action: S-M Choi to email Danas Ridikas at the IAEA to thank him for his efforts and to explain that the IAEA scheme does not fit well with the AONSA Fellow Scheme. He will ask for suggestions on how to best proceed.

5.11. 2014 International Year of Crystallography

Y Fujii reported on AONSA activities for IYCr. Most countries are doing something, and AONSA EC members are involved in some cases: e.g., T Kanaya is leading the program in Japan. The EC agreed that AONSA can dedicate the first day of the AONSA School in Indonesia to a special celebration of IYCr. There is an idea to do something together with AOFSSR but it is not clear if this will happen or not.

H Chou reported that TWNSS plan to hold an international “AONSA Neutron Diffraction Short School” (*Appendix 9*). They hope for 60 participants in total, with speakers to be determined by TWNSS. Y Fujii pointed out that this School should not have AONSA in the

title, given that an AONSA School already exists. AONSA EC members can help locate lecturers but AONSA can't contribute financially. The organisers will need to follow the rules for obtaining official recognition from AONSA, which were established at the last EC meeting. It was suggested that the word "diffraction" in the title of the School should perhaps be changed to "crystallography" if it is specifically dedicated to IYCr.

6. Calendar of AONSA Activities

Year 2014

Date	Events
2/4-2/8	Pre-Conference School on Neutron Scattering at BARC (Mumbai, India)
2/10-2/12	Conference on Neutron Scattering (CNS 2014) (Pune, India)
2/20	The 8 th AONSA Facility Directors' Meeting (Daejeon, Korea)
2/21	The 12 th AONSA EC Meeting (Daejeon, Korea)
5/11-5/16	QENS/WINS 2014 (Autrans, France)
6/1-5	The American Conference on Neutron Scattering (Knoxville, USA)
7/14-7/18	18 th AINSE-ANSTO Winter School
8/5-8/12	The 23 rd IUCr Congress and General Assembly (Montreal, Canada)
9/29-10/3	International Collaboration on Advanced Neutron Sources (ICANS XXI) (Mito, Japan)
10/15	The 9 th AONSA Facility Directors' Meeting (Daejeon, Korea)
10/16	The 13 th AONSA EC Meeting (Serpong, Indonesia)
10/12	AONSA Special Session for IYCr2014 (Serpong, Indonesia)
10/12-17	The 6 th AONSA Neutron School (Serpong, Indonesia)
10/12-16	The 8 th International Workshop on Sample Environment at Neutron Scattering Facility (Oxfordshire, UK)

Year 2015

Date	Events
6/21-26	Gordon Research Conference on Neutron Scattering (Hong Kong, China)
7/19	The 9 th AONSA Facility Directors' Meeting (Manly, Australia)
7/19	The 14 th AONSA EC Meeting (Manly, Australia)
7/19	The 2 nd AONSA Instrument Scientist Workshop (Manly, Australia)
7/19-23	The 2 nd AOCNS (Manly, Australia)
8/30-9/4	The 6 th European Conference on Neutron Scattering (Zaragoza, Spain)
9/16-18	16 th International conference on Small-Angle Scattering

TBD	The 15 th AONSA Facility Directors' Meeting (Tokai, Japan)
TBD	The 15 th AONSA EC Meeting (Tokai, Japan)
TBD	The 7 th AONSA Neutron School (Tokai, Japan)

7. Venues for the next EC Meetings

The next (13th) EC Meeting will be held in conjunction with the AONSA Neutron School in Indonesia, to be organized by EG Rachman Putra. The Facility Director's meeting will be held on the Wednesday afternoon (October 15) and the EC meeting on Thursday (October 16). EC members will be welcome to join the students of the School for dinner on Thursday.

The venues for the following EC meetings were discussed and agreed as follows:

- 14th EC July 18 2015, Australia, in conjunction with the 2nd AOCNS
15th EC October/November 2015, Japan, in conjunction with the 7th AONSA School

8. Reports from Neutron Associations

The following association reports were delivered to the EC.

- ANBUG (C Ling) (*Appendix 10*)
- JSNS (T Kanaya) (*Appendix 11*)
- KNUBA (J-H Chung) (*Appendix 12*)
- TWNSS (H-M Lai) (*Appendix 13*)
- CNSS (C Ling on behalf of D Chen) (*Appendix 14*)
- Indonesian Community (C Ling on behalf of EG Rachman Putra)

9. Reports from Neutron Facilities

Special Facility Reports were presented on Hanaro by K-H Lee and CSNS by D Chen (included in *Appendix 13*). A summary of facility reports delivered at the Facility Directors' Meeting was delivered by H Shibayama.

10. Closing Remark

AONSA President W-H Li made a closing remark, expressing his sincere thanks to all the Board and EC Members and Observers for their great efforts and contributions to the meeting, and particularly to the Past President, Y Fujii, for his tireless work and inspiring leadership over the two years of his presidency.

A dinner hosted by KEARI and organized by K-H Lee was greatly enjoyed by all participants.

Appendix 1
Annual Fee and Budget Plan as at 31/12/13

Update on the budget plan for the year 2013

[1] Annual fee account

Total previous balance in 2012 (US\$ 19892 + JPY 537384): US\$ 25266
(Assuming the exchange rate 100 JPY= US\$ 1)

Income in 2013: total US \$ 12000 (from six members)

Expenditure incurred in 2013: total US\$ 2749

- Bank charges US\$ 470
- Website maintenance cost US\$ 32
- Edinburgh meeting- catering charges for lunch US\$ 556
- AONSA Homepage Design & Update US\$ 1691

Total current balance (US\$ 28893 + JPY 562448): US\$ 34517
(Assuming the exchange rate 100 JPY= US\$ 1)

[2] Award account

Total previous balance in 2012 (US\$ 9513 + JPY 141480): US\$ 10928
(Assuming the exchange rate 100 JPY= US\$ 1)

Income in 2013: total US \$ 11000 (from six members)

Expenditure incurred in 2013: total US\$ 9249

- Bank handling charges US\$ 280
- Certificate US\$ 146
- Medal US\$ 278
- Monetary Prize US\$ 5000
- Airfare and accommodation US\$ 3019
- Registration and banquet US\$ 526

Total current balance (US\$ 12494 + JPY 18574): US\$ 12679
(Assuming the exchange rate 100 JPY= US\$ 1)

Appendix 2
Nominations for the Selection Committee for the 3rd AONSA Prize

Sung-Min Choi (Vice-President of AONSA, KNBUA)

Professor, Dept. of Nuclear and Quantum Eng., KAIST

Soft matter, nanostructured materials, small angle neutron and x-ray scattering

sungmin@kaist.ac.kr

Erich Kisi (ANBUG)

Professor, School of Engineering, Univ. of Newcastle

Ceramic and Metallic Materials, in-situ neutron and x-ray Diffraction

Erich.Kisi@newcastle.edu.au

Takashi Kamiyama (JSNS)

Professor, KEK, Head of Neutron Science Section, Materials and Life Science Division,
J-PARC

Materials Science, Neutron Crystallography and Instrumentation

takashi.kamiyama@kek.jp

Seikh Mohammad Yusuf (NSSI)

Head of Magnetism Section, Solid State Physics Division, BARC

Condensed Matter Physics, Magnetism

smyusuf@barc.gov.in

Hsiung Chou (TWNSS)

Professor and Chairman, Department of Physics, National Sun Yat-sen University

Magnetic and Conducting Thin Film Physics

hchou@mail.nsysu.edu.tw

Xun-Li Wang (CNSS)

Professor and Head, Dept. of Physics and Materials Science, City University of Hong Kong

Materials Physics, Phase Transformations and Mechanical Behavior of Materials, Neutron

Instrumentation

xlwang@cityu.edu.hk

Appendix 3
Schedule for the 3rd AONSA Prize

Tentative Dates	Actions	Remarks
2014-01-09	Chair of the SC sent out Call for Nominations for the SC to Presidents of Member Societies.	
2014-01-29	Chair of the SC prepared a list of candidates for the SC members based on nominations from Presidents of Member Societies.	
2014-01-31	The possible change of the Rules for the SC (from 5 members to 6 members) was discussed in the Board and suggested to be proposed at the EC.	
2014-02-21	The EC approval of the change of the rules for the SC. The EC approval of the SC Members.	
2014-03-01	The SC shall announce Call for Nominations for the 3rd AONSA Prize , through - Emails to AONSA Members and Observers - AONSA Webpage - AONSA Newsletters (in the 1 st issue in 2014)	
2014-06-30	Deadline for Nominations for the 3rd AONSA Prize	
2014-08-15	The SC shall complete reviews for all nominees	
2014-09-15	The SC shall nominate the recipient of the 3 rd AONSA Prize to the EC, with citations and records of review process.	
2014-10-12	The EC Approval of the recipient of the 3rd AONSA Prize.	
2014-11-01	The SC shall make public announcement of the recipient of the 3 rd AONSA Prize - AONSA Webpage - Emails to AONSA Members and Observers - International Neutron Network	
2015-07-19 ~07-23	Ceremony of the 3rd AONSA Prize at the 2nd AOCNS, Sydney, Australia	
ASAP	Report of the Ceremony - AONSA Newsletters - Neutron News	

Appendix 4

Report from the organizers of the 6th AONSA Neutron School in 2014 in Indonesia

1. Dates and Place

Dates: 12 – 17 October 2014

Place: Graha Widya Bhakti Convention Hall or BATAN's Auditorium. Both venues are located in the Kawasan Puspiptek (Research Center for Science and Technology Complex) in Serpong, Tangerang.

2. Budget and sponsorship

Estimated budget USD 20,000.-

Income: Registration Fee, BATAN, and other sponsorships (company)

Sponsorship for student: AONSA, IAEA, IUCr (application has been submitted), ICTP (application has been submitted), etc.

3. Accommodation

Guest House (Wisma Tamu) at Puspiptek Serpong (for Student) ~ 20 - 25 minute walk to the venue

Santika Hotel (***) or Grand Zurich (****) at BSD City, Serpong (Lecturers & other guests) ~15-20 minute drive to the venue

4. Dining

Guest House (Wisma Tamu) at Puspiptek Serpong (Student)

Santika Hotel (***) or Grand Zurich (****) at BSD City, Serpong (Lecturers & guests)

5. (a) International Advisory Board (executive of AONSA)

ANBUG

Chris Ling (Univ. Sydney, Australia)

Evan Gray (Griffith Univ., Australia)

Rob Robinson (ANSTO, Australia)

CNSS

Hesheng Chen (IHEP, China)

Dongfeng Chen (CIAE, China)

Yuntao Liu (CIAE, China)

Fangwei Wang (CSNS, China)

JSNS

Yasuhiko Fujii (Cross, Japan)

Toshiji Kanaya (Kyoto Univ., Japan)

Hideki Seto (KEK, Japan)

Masatoshi Arai, (JPARC, Japan)

Mitsuhiro Shibayama (Tokyo Univ./JAEA, Japan)

KNBUA

Kye Hong Lee (KAERI, Korea)

Sung-Min Choi (KAIST, Korea)

Jae-Ho Chung (Korea Univ., Korea)

NSSI

R. Mukhopadhyay (BARC, India)

Samrath Chaplot (BARC, India)

Dhananjai Pandey (Banaras Hindu Univ., India)

TWNSS

Wen-Hsien Li (NCU, Taiwan)

Hsiung Chou (National Sun Yat-Sen Univ., Taiwan)

Hsi-Mei Lai (National Taiwan Univ., Taiwan)

Others

Abdul Aziz Mohamed (UNITEN, Malaysia)

Wim Klooster (NUS, Singapore)

Somchai Tancharakorn* (SLRI, Thailand)

(b) Executive Committee

Chair : Edy Giri Rachman Putra

Vice Chair : Sutiarmo

Secretary : Teguh Yulius P. Putra

6. Program

a. Lectures: material (science and industrial oriented)

1. General Introduction (X-ray and Neutron Scattering)
2. Neutron source (Reactor & Spallation sources)
3. Overview of material sciences & magnetic (diffraction, small-angle and inelastic)
4. Overview of soft matter/biology sciences (small-angle and inelastic scattering)
5. Industrial applications (Engineering diffractometers & Radiography)

b. Parallel courses (methodology)

Elastic scattering (high Q)

Elastic scattering (low Q)

Inelastic scattering

c. Laboratory course / hands-on training (tutorial; local contact)

High resolution powder diffractometer: HRPD (Teguh Y. P. Putra & Engkir Sukirman)

Neutron residual stress diffractometer: RSD (Rifai Muslich)

Neutron texture diffractometer: FCD/TD (Tri Hardi P.)

Inelastic scattering spectrometer: TAS (Iwan Sumirat)

Small-angle scattering spectrometer: SANS (Edy Giri R. Putra/Arum Patriati)

d. Lecturers

1. General Lecture 1 : “Inspiring Lecture” about Neutron Scattering (Rob Robinson)
2. General Lecture 2 : Basic of Neutron Scattering, Sources & Facilities (Kye-Hong Lee)
3. “Inspiring lecture” : Materials Science Application (Hsiung Chou)
4. “Inspiring lecture” : Biology Application (Anna Sokolova)
5. Industrial Applications (Makoto Hayashi)
6. Diffraction 1 (Christopher Ling)
7. Diffraction 2 (Ismunandar)
8. Magnetic scattering (Jae-Ho Chung)
9. Small-angle Scattering 1 (Sung-Min Choi)
10. Small-angle Scattering 2 (Edy Giri R. Putra)
11. Inelastic Scattering 1 (Taku J. Sato)
12. Inelastic Scattering 2 (Iwan Sumirat)
13. Experimental Works : Lecturers & Tutors
14. Data Analysis : Lecturers & Tutors
15. Discussion : Lecturers & Tutors

e. Presentation

Student group presentation in the auditorium / meeting room

f. Excursion

City tour in Jakarta (National Monument, old-city & Sunda Kelapa harbor)*

7. Facility

Neutron scattering laboratory & neutron beam instruments

Lecture rooms: Meeting Room at Graha Widya Bhakti Convention Hall or BATAN's Auditorium

Internet wifi connection

Guest house

8. Student

Estimated 40 students: 20 local students & 20 regional students. Most of regional students are expected coming from the South East Asian region (Malaysia, Thailand, Vietnam, Philippine, etc.). The students will be divided into 4 – 5 group instruments.

9. Information

AONSA Neutron School home page and BATAN webpage. Email aonsa2014@batan.go.id

10. Schedule (tentative)

Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	
08.30 – 09.15	Arrival & Registration	Opening	Diffraction 1 (Christopher Ling)	Reactor & Laboratory Visit	Data Analysis 1	Student Presentation	
09.15 – 10.30		General Lecture 1 (Rob Robinson)	Diffraction 2 (Ismunandar)	Reactor & Laboratory Visit	Data Analysis 2	Student Presentation	
10.30 – 10.45		Coffee Break	Coffee Break	Coffee Break	Coffee Break	Conclusion & Closing	
10.45 – 11.30		General Lecture 2 (Key-Hong Lee)	Magnetic Scattering (Jae-Ho Chung)	Reactor & Laboratory Visit	Data Analysis 3	Lunch Break	
11.30 – 12.45		Lunch Break	Lunch Break	Lunch Break	Lunch Break		
12.45 – 13.30		Materials Science Applications (Hsiung Chou)	Small-angle Scattering 1 (Sung-Min Choi)	Experimental Work 2	Data Analysis 4	City Tour	
13.30 – 14.15		Soft Matter/Biology Research (Anna Sokolova)	Small-angle Scattering 2 (Edy Giri R. Putra)	Experimental Work 3	Discussion		
14.15 – 14.30		Student Poster Presentation & Coffee Break	Coffee Break	Coffee Break	Coffee Break		
14.30 – 15.15			Inelastic Scattering (Taku J. Sato)	Experimental Work 4	Presentation preparation		
15.15 – 16.00		Industrial Applications (Makoto Hayashi)	Inelastic Scattering (Iwan Sumirat)	Experimental Work 5	Presentation preparation		
18.30 – 21.00			International Year of Crystallography 2014 Celebration			Dinner AONSA School	Departure to Airport

The first day of school will be merged with the conference/seminar of Materials Science & Technology, organised by BATAN* and also a part of celebrating the International Year of Crystallography 2014 in Indonesia.

11. International Year of Crystallography 2014 (IYCr2014)

The 6th AONSA Neutron School will be the center for celebrating the International Year of Crystallography 2014 in Indonesia

We proposed a general lecture about the history of the crystallography, the impact in sciences (neutron & X-ray) and the big issues that have to be resolved in the future

Note : the lecture will be delivered after the opening ceremony of the school (the time schedule will be re-arranged if this idea is accepted by the EC)

Appendix 5

Report from the organizers of the 2nd AOCNS in Australia

ICNS-2015 will take place at the Novotel Manly Pacific, Sydney, from 19–23 July 2015.

The core organising committee has representatives of all three stakeholders:

- A/Prof Chris Ling (Chair; University of Sydney, President of ANBUG)
- Prof Michael James (Secretary; ANSTO)
- Dr Frank Bruhn (Managing Director of AINSE)
- Prof Brendan Kennedy (University of Sydney, President of AINSE)

Program Committee: to be announced shortly (Chair will be Shane Kennedy, ANSTO).

Budget: still points to a (full, Early-bird) registration fee of ~\$850 based on 450 delegates.

Competition: At this stage we are aware of SAS2015 (16-18 September), which could draw SANS users who may not be able to attend two international conferences that year; and the first Gordon Conference on Neutron Scattering in Hong Kong in 2015 (June 21-26).

Promotion: The conference was promoted at ICNS 2013 and AsCA 2013. The next major opportunity will be IUCr in August 2014. The conference website is live at <http://aocns-2015.com>. The first newsletter has been distributed and the second is in preparation.

Chris Ling, Chair of the Organising Committee

The image shows a screenshot of the AOCNS 2015 website homepage. The header features the text '2nd Asia-Oceania Conference on Neutron Scattering | Sydney, Australia | 2015' and 'HOME | CONTACT US'. Below this is a large banner with 'AOCNS 2015' in large, bold letters, a sun icon, and a scenic view of Sydney. The main content area is divided into several sections: 'Welcome' with a paragraph about the conference's purpose, 'About the Conference' with a list of attendees, 'Who should attend?' with a list of disciplines, and 'Why should they attend?' with a list of benefits. On the right side, there are boxes for 'EXPRESSION OF INTEREST', 'Organising Committee' (listing Chris Ling, Michael James, Frank Bruhn, and Brendan Kennedy), 'Key Dates' (Call for Abstracts Opens July 2014, Abstract Submission Closes November 2014, Registration Opens November 2014, Early Bird Registration Rate Closes April 2015, Online Registration Closes 15 July 2015, and Congress 19-23 July 2015).

Appendix 6

New AONSA Homepage

The new AONSA website is now active at <http://aonsa.org>. All of the content of the old web page has been transferred into the content management system (CMS) for the new one, with the exception of some large PDF files which remain on the original server (at J-PARC) but are linked to from the new site.

The total cost of the update was AU\$1848, including hosting of the site for 1 year. At the end of 2014 we will migrate the site to the J-PARC server so that this will not be a recurring cost.

Home News About AONSA AOCNS AONSA School AONSA Prize Calendar Facilities Neutron links

Asia-Oceania Neutron Scattering Association
AONSA

China Korea Japan
India Malaysia Singapore
Indonesia Australia
New Zealand

AOCNS 2015
19-23 July 2015 / Novotel Manly Pacific Sydney Australia

NEWS
President's Message for January 2014 6th AONSA School to be held in Serpong, Indonesia from Oct. 12-17, 2014. Newsletter Vol.5, No.1 now [...] [read more >](#)

ABOUT AONSA
The Asia-Oceania Neutron Scattering Association is an affiliation of neutron scattering societies and committees directly representing users in the Asia-Oceania [...] [read more >](#)

AOCNS
The quadrennial Asia-Oceania Conference on Neutron Scattering plays a complementary role in the tripolar regional neutron conferences, along with the [...] [read more >](#)

Welcome to AONSA
The Asia-Oceania Neutron Scattering Association (AONSA) is an affiliation of neutron scattering societies and committees which directly represent users in the Asia-Oceania Region. The overriding purposes of the Association are to provide a platform for discussion and a focus for action in neutron scattering and related topics in the Asia-Oceania Region.

• [President's Message](#) (by Wen-Hsien Li, January 7, 2014)
• [AONSA Activities](#) (by Sung-Min Choi, March 6, 2012)

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CONTACT DETAILS
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Email: aonsa-web@ml.j-parc.jp

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Appendix 7
Rules for AONSA Visiting Fellows

Summary of Revisions

- 1st draft to the Board, May 27, 2013 (W.-H. Li)
- 2nd draft to the Office, June 13, 2013 & to All, Sept. 17, 2013 (W.-H. Li)
- 3rd draft to All, Oct. 08, 2013 (W.-H. Li)
- 4th draft to All and AONSA Office, Oct. 21, 2013 (W.-H. Li)
- 5th draft after 11th EC meeting, Nov. 19, 2013 (W.-H. Li)
- 6th draft to the Board and Facility Directors, Jan. 16, 2014 (S.-M. Choi)
A summary of discussions so far and a list of issues to be clarified were sent to the Board and Facility Directors for comments as well.
- 7th draft submitted to Secretary for distribution to the EC as part of agenda of the 12th EC Meeting (Feb. 3, 2014. S.-M. Choi)

Summary of Discussions on AONSA Young Research Fellows

- *Survey through emails to FD January, 2014*
- *From the 7th FDM February 20, 2014, Daejeon*
- *From the 12th EC Meeting February 21, 2014, Daejeon*

0. Primary purpose:

- Support highly talented young scientists in the region to conduct collaborative research using world class neutron facilities in the region. (but not in his/her home country)

1. Hosting Facilities and Number of Fellows

- ANSTO, J-PARC, HANARO
 - * JRR3 will join once it re-starts its operation
- Total 3 fellows (at the beginning, 1 for each)
 - * The number of Fellows will be determined every year.

2. Primary focus to start with:

- a. Fellows from all countries in the region
- b. Fellows from outside of Japan, Korea and Australia/New Zealand

- * *If we consider the primary purpose of VF, we will start with a. (a is inclusive of b)*
- * *We will continue to try to find funding from agencies such IAEA and ICSU which can be used for b exclusively.*

3. Duration of visit: 3 – 12 months

While a 6 month minimum visit may be preferable to allow sufficient time for collaborative research, it may become a restrictive barrier for some applicants, especially who belong to University. So, the 3 month minimum was selected.

4. Sharing of Financial Responsibility

- AONSA supports round-trip airfares. (Total 5,000 USD per year)
- Hosting facilities cover local living expenses.
- Sending institutes cover salary, medical insurance and so on.

The Fellows remain employed at the sending institutes.

- * *If the Fellows need additional funds for their research (for example, purchasing chemicals), it can be provided by hosting facility.*
- * *This applies when funding from other organizations (such as IAEA) is not available.*
- * *If other funding becomes available, the sharing of financial responsibilities should be re-arranged following the guidelines of the funding sources.*

5. Neutron Beamtime for Fellows

- Application and selection should be done early enough so that successful applicants can write beamtime proposals through regular beamtime proposal process.
 - *Applicants may submit a beamtime proposal before the selection process is completed.*
- If the beamtime proposal is not successful, the Fellows may participate in on-going project of hosting facility or manager beamtime may be allocated.
- *It is strongly recommended that applicant communicates with a future possible collaborator in hosting facility before he/she applies.*
This will be implemented in the Application Form.
- In the Call for Applications, a contact person for each hosting facility will be provided for more information about instruments available and relevant person for further communications.

6. Advertisement

- Through AONSA Network only (to avoid too many applications to handle)
Emails to AONSA Members and Observers
AONSA Newsletters

7. Applications

- Pre-screening through home neutron society or community is required.
For this, one letter of support from President of home society or a representative of home community needs to be submitted.

8. How to balance the number of Fellows among hosting Facilities

- Applicants will be asked to apply for two facilities with a priority.
(Pre-communications should be done for the 1st priority facility only)

9. What should be the name of the Program?

- AONSA Young Research Fellows

10. When to Start?

- **Application and selection process: 2014**
- **Start of visit: 2015**

AONSA Young Research Fellows

(Established on February 21, 2014)

The purpose of the Asia-Oceania Neutron Scattering Association (AONSA) Young Research Fellowship Program is to support highly talented young scientists with leadership potential in the Asia-Oceania region and help them to develop their career and expertise in neutron science and technology. The Program will provide financial support for Fellows to visit major neutron facilities in the region for collaborative research using neutrons.

1. Rules

- a. The Fellowships shall be awarded every year to highly talented young scientists in the region who have demonstrated strong scientific or technical needs for an extended visit to a major neutron facility in the region (but not in his/her home country). Recipients can receive the Fellowship only once.
- b. The duration of the Fellowship visit shall be 3 to 12 months depending on his/her needs and resources available. The maximum number of recipients each year shall be determined by the AONSA Executive Committee (EC) after consultation with hosting facilities.
- c. The Fellowship consists of a certificate of Fellowship award, one round-trip airfare between his/her home institute and the hosting facility, and local living expense at the hosting facility. The amount of support for local living expenses shall be determined based on the nominal cost of living and funding resources available. At least one staff member shall be assigned by the hosting facility to the Fellow as a collaborator and mentor.
- d. The financial responsibility for each Fellow shall be shared by AONSA, the hosting facility, the home institute, and another funding agency (if available). When other funding resources are not available, AONSA shall provide one round-trip airfare, the hosting facility shall cover local living expenses, and the home institute shall provide salary, insurance and other financial needs. When funding from another agency is available, the guidelines of that agency shall be followed.

- e. Within 3 months of completing the Fellowship visit, each Fellow shall submit a report to the AONSA Office and the hosting facility with a brief description of research performed during his/her visit and other outcomes.
- f. In any publication resulting from the Fellowship visit, the AONSA Young Research Fellowship Program and hosting Facility shall be acknowledged.
- g. A special session shall be considered at the AOCNS with successful Fellows as speakers.

2. Applications and Eligibility

- a. The AONSA Young Research Fellowship Program shall be open to young scientists in the Asia-Oceania region within 8 years of the completion of his/her PhD (as of the application deadline, excluding career interruptions) and who wish to perform neutron research at major neutron facilities in the region (but not in his/her home country).
- b. The Call for Applications shall be announced by Chair of the Fellowship Selection Committee (SC) through the AONSA network including member societies, observers and other personnel determined by the SC.
- c. An application should include:
 - A standard application form (provided by AONSA) filled with all required information including a scientific plan for collaborative neutron research.
 - A curriculum vitae including a full list of publications.
 - One recommendation letter from a supervisor at home institute.
 - One letter of support from President of the home neutron society or a representative of home neutron community.
- d. The application shall be electronically submitted to the AONSA Office by the deadline indicated in the Call for Applications.
- e. An application shall be valid for one cycle only.

3. Selection Committee

- a. The SC shall consist of six members chaired by the AONSA Vice President, other

five members appointed by the EC. The term of SC members shall be two years. A member can be reappointed once (up to four years).

- b. The SC members shall represent a broad range of member societies (not observers) and fields of neutron science and technology. The Chair of the SC may co-opt a person or persons from member societies or from observer country/region, when none of the six members has expertise in the research field(s) required for reviewing submitted applications. Co-opted member(s) shall be approved by the EC.
- c. The SC members shall be posted on the homepage of AONSA when the SC issues the Call for Applications. The co-opted member(s) shall also be posted.
- d. The Chair of the SC shall consult with the Directors of hosting facilities concerning the suitability of prospective successful candidates at their facilities before finalizing and announcing the SC's decision.
- e. The SC's review shall be completed within 2 months after the application deadline.
- f. The SC shall submit a list of recipients with a review report for each recipient to the EC for approval by the end of November of each year. The approval by the EC may be done electronically, if necessary.
- g. The list of recipients shall be communicated to the Directors of the hosting facilities and posted on the AONSA website. The result of each application shall be communicated to each applicant individually by the Chair of the SC.
- h. The AONSA Office, hosting facilities and home institutes shall cooperate to arrange the Fellowship visits efficiently.
- i. The commencement of the Fellowship is subject to meeting the security and visa requirements of the hosting facility.

Appendix 8
Possible IAEA financial support for AONSA activities

S-M Choi's Communication with Dr Danas Ridikas of the IAEA

From : <D.Ridikas@iaea.org>
To : <sungmin@kaist.ac.kr>
Cc : <iclim@kaeri.re.kr>
Sent : 2014-01-15 17:19:08
Subject: RE: IAEA TC Program / AONSA

Dear Prof. Sung-Min Choi,

Thanks for your message and proposal. Indeed, in consultation with Dr. In Cheol Lim we have pre-designed in the subject TC project some activities related both to AONSA (school and VF).

I've shared this proposal with the colleagues in TC responsible for project management last December but so far I had no feedback. I will consult them again regarding the status and the date when the project can start its implementation. I hope I can share more information by the end of January.

Dear In-Cheol,

For your information. Some safety related activities were also proposed by the RR Safety section - this means that most probably we will need to consider both safety and utilization components of the project and share the available budget.

Best regards and greetings from still quite warm Vienna,
Danas

Mr Danas RIDIKAS, dr.habil. | Research Reactor Officer |
Physics Section | Division of Physical & Chemical Sciences | Department of Nuclear Sciences
& Applications | International Atomic Energy Agency | Vienna International Centre, PO Box
100, 1400 Vienna, Austria |

Email: D.Ridikas@iaea.org | T: (+43-1) 2600-21751

-----Original Message-----

From: sungmin@kaist.ac.kr [mailto:sungmin@kaist.ac.kr]

Sent: Tuesday, 14 January 2014 09:03

To: RIDIKAS, Danas

Cc: iclim@kaeri.re.kr

Subject: IAEA TC Program / AONSA

Dear Danas,

Happy New Year 2014!

First of all, I'd like to thank you for IAEA's continuing support for AONSA Neutron Schools.

I heard from Dr. In Cheol Lim, Director of HANARO, that a IAEA TC Program (Utilization of Research Reactor including neutron beam applications, 2014-2015) is being prepared with the funding from KAERI and Korean government. I also heard that the IAEA TC Program may include some items which may support AONSA Activities including AONSA Visiting Fellows.

This is GREAT news for neutron scattering communities in Asia-Oceania region and AONSA!

Currently, we are working on a framework for AONSA Visiting Fellowship (VF) program which support young scientists' Scientific Visits to Major Neutron Facilities in the Asia-Oceania Region for an extended period of time.

As you may know, this is "Next Step" for AONSA program after the very successful AONSA Neutron Schools that IAEA have supported. If the financial support from IAEA TC is available for the AONSA VF program, it will be great help for us to start the new program.

If available, could you please provide us the possible contents of IAEA TC Program in relation with AONSA activities (including AONSA VF Program)? Also, if you need any information or input from AONSA, please let us know as well.

Currently, I am in charge of preparing AONSA Visiting Fellowship program as Vice-President of AONSA. Would you mind if I share the possibility of IAEA TC Program (with

possible support for AONSA Visiting Fellows) with AONSA Board and Facility Directors so that we can be prepared to collaborate with you?

We will have Facility Directors Meeting and AONSA Executive Committee Meeting on February 20-21, 2014 in Daejeon, Korea and AONSA VF Program will be one of key agenda.

Thank you very much and I look forward to hearing from you.

Best regards,

Sung-Min

Sung-Min Choi

Professor

Neutron Scattering and Nanoscale Materials Lab.

Department of Nuclear and Quantum Engineering

Korea Advanced Institute of Science and Technology

291 Daehak-ro, Yuseong-gu

Daejeon 305-701, Republic of Korea

Tel : +82-42-350-3822

Fax: +82-42-350-3810

email: sungmin@kaist.ac.kr

Appendix 9

TWNSS plan to hold an international “AONSA Neutron Diffraction Short School”

Date : 2014/9/9~11

Venue : University of Sun Yat-sen University, Kaohsiung, Taiwan

Participants : outside Taiwan: 25; inside Taiwan: 35

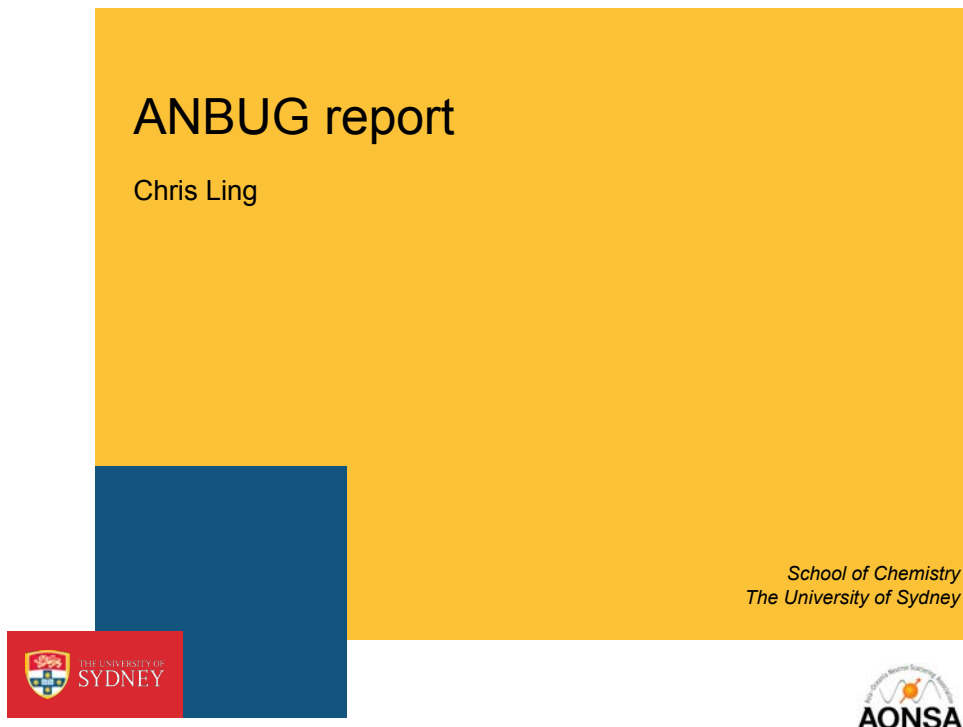
Speakers : AONSA members: ??; Local: 2

Registration Fee : US300.

Program

Date	Time	Course
9/8		Arrival at KH
9/9	09:00~09:05	Opening
	09:05~10:30	Introduction to crystalline structure
	10:30~12:00	Introduction to magnetic structure
	13:30~15:00	General diffraction theory
	15:00~16:30	Neutron Diffraction Technique
	15:40~17:00	Examples on Neutron crystallography and magnetic structure
	18:30~	Outdoor discussion and student mixer
9/10	09:00~10:20	Lecture on data analysis on crystalline structure
	10:40~12:00	Hand-on data analysis on crystalline structure
	13:30~15:00	Lecture on data analysis on magnetic structure
	15:00~16:30	Hand-on data analysis on magnetic structure
	16:30~18:00	Outdoor discussion and student mixer
9/11	09:00~10:20	Lecture on data analysis output
	10:40~12:00	Hand-on data analysis output
	13:30~16:00	Group reports
	16:00~16:10	Closing

Appendix 10 ANBUG report



ANBUG

Australian
Neutron
Beam
Users
Group

- › International access
 - ARC has ruled that its limits on the amount of LIEF funding that can be allocated to travel are non-negotiable
 - Approaching STA (Prof B Kennedy)
 - Consulting with AAS (Dr F Bruhn)
- › User meeting (AANSS)
 - December 2–3 2013 (A/Prof C Ling)
 - ~100 delegates, 40 talks plus AGM
- › Membership
 - Increasing by ~50 members per year (direct link from OPAL User Portal)
- › Remote access
 - Exploring the possibility of running remote experiments on some OPAL instruments, for undergraduate laboratories as well some research experiments (Prof E Kisi)

Appendix 11

JSNS report

7th Board of JSNS (Apr., 2013 - Mar., 2015)

President: Toshiji Kanaya (Inst. for Chemical Res., Kyoto Univ.)

Members of Council (15)

Kazuyoshi Yamada (KEK)	Makoto Hayashi (Ibaraki Pref.)
Mitsuhiro Shibayama (Univ. of Tokyo)	Miwako Takahashi (Tsukuba Univ.)
Masatoshi Arai (J-PARC)	Toshiharu Fukunaga (Kyoto Univ.)
Kazuhiisa Kakurai (JAEA)	Michihiro Furusaka (Hokkaido Univ.)
Yasuhiro Fujii (CROSS)	Yukio Noda (Tohoku Univ.)
Junichi Suzuki (CROSS)	Osamu Yamamuro (Univ. of Tokyo)
Naoya Torikai (Mie Univ.)	Masayasu Takeda (JAEA)
Hideki Yoshizawa (Univ. of Tokyo)	

Board of Administration

Secretary Masaaki Sugiyama (Kyoto Univ.) Taku Sato (Tohoku Univ.)	Treasurer Masashi Hase (NIMS)* Koji Kino (JAEA)
Events Coordination Yukinobu Kawakita (JAEA) Haruhiro Hiraka (J-PARC)*	Communication Hiroshi Nozaki (Toyota Central R&D Labs.)* Kazuhiro Mori (Kyoto Univ.)
Public-Relations Toshie Ohtake (RIKEN)* Koichi Kino (Hokkaido Univ.)	Publication Masuda Takatsugu (Univ. of Tokyo)* Hideaki Kitazawa (NIMS)

* Who will be finished in the next March.

31th Regular Council Meeting on November 26th, 2013

<Special reports>

1. Status about restructuring JAEA and restarting JRR-3 by W.Utsumi
2. Status about restarting J-PARC/MLF by Y.Ikeda

<Items of discussion and decisions>

- 1) Status reports from Board of Administration
- 2) Report on AONSA
- 3) 11th JSNS Prizes
- 4) 13th Annual meeting of JSNS at Kawshwa (Chair: Prof. M. Shibayama)
- 5) 14th Annual meeting of JSNS at Sapporo (Chair: Prof. M. Furusaka)
- 6) Action for International Year of Crystallography (IYC2014)
 - Proposal of Public Lecture concerning about Crystallography at 14th JSNS Annual Meeting
 - Special Issue of JSNS journal
 - And so on
- 7) Special committee in Next Generation Neutron Science
- 8) Collaboration with another quantum beam scientists

Current Status of JSNS

Membership (1 Feb 2014)

608 members (including 57 students), 36 supporting members.
(cf. (Oct., '12) 583 members (including 61 students), 35 supporting members)

Budget Status

Budget for JFY 2013
Income: ~8.0M yen/year

Regular Activities and Events

- 31th Regular Council Meeting was held on November 26th, 2013
- 13th JSNS Annual Meeting was held on December 12th-13th, 2013
- 3rd Public Lecture of Neutron Science was held on December 14th, 2013
- 32th Regular Council Meeting will be held on May, 2014
- 14th JSNS Annual Meeting will be held on December 2014 at Sapporo
- 3rd Public Lecture of Neutron Science will be held on December 2014 at Sapporo

13th JSNS Annual Meeting was held on December 12-13, 2013 at Sawayaka—Chiba Kenmin Plaza at Kashiwa close to ISSP



Number of participants: 285
Oral presentation: 38, Poster presentation: 130
Chair of the meeting: Prof. M. Shibayama,
Chair of the program committee: Prof. H. Yoshizawa

Opening Ceremony



Mr. Kudo (Director of Office for Quantum Radiation Research Science and Technology Policy Bureau, MEXT)



Poster Prize winners and Prof. Shibayama and Yoshizawa.



Group photo

Neutron Scientific Lecture for public was held on December 14th, 2013.



Participants ~ 65

- Three Lectures:
- 1) "Introduction of Neutron Science and its Application" by Dr. Suzuki from J-PARC
 - 2) "Nano-exploration of Super Polymer Gels in Daily Life by Neutron Beam" by Prof. Shibayama from University of Tokyo
 - 3) "Recent Developments on Cancer Therapy by Neutron Radiation" by Prof. Yamamoto from Tsukuba Univ



Prof. M. Shibayama in his lecture

Activity for restart of JRR-3

- # Delivery of Requests to resume JRR-3 to Mr H. Hirano, Minister, Ministry of Education Culture, Sports, Science and Technology (MEXT) from four organizations; AONSA, JSNS, and Industrial User Society for Neutron Application (IUSNA), ISSP on July 20th, 2012. (this has been reported by Professor M. Shibayama at 9th AONSA EC meeting)
- # Delivery of Supporting Letters to resume JRR-3 from Professor M. Steiner (President of ENSA) and Professor S. Rosenkranz (President of NSSA) to Dr. A. Suzuki (President of Japan Atomic Energy Agency (JAEA)) on Feb 12, 2013.
- Delivery of Requests to resume JRR-3 from four organizations; AONSA, JSNS, and Industrial User Society for Neutron Application (IUSNA). (This has been reported by Professor Fujii at 10th AONSA EC meeting)
- # Delivery of Requests to resume JRR-3 to Dr. Yokomizo, Director of JAEA, from four organizations; AONSA, JSNS, and Industrial User Society for Neutron Application (IUSNA) on June 14, 2013.
- Delivery of Final Report of Special Committee in JSNS on a future generation research reactor to JAEA.
- # Delivery of Final Report of Special Committee in JSNS on a future generation research reactor to MEXT. Discussion with the director of office of Quantum Radiation Research Science and Technology Policy Bureau, MEXT, about the situation of restart of JRR-3 on July 19th, 2013.
- # Delivery of Requests to resume JRR-3 to Dr. Namba and Dr. Nomura, Directors of JAEA, from three organizations; JSNS, ISSP and Industrial User Society for Neutron Application (IUSNA) on November 27, 2013.

Accident in Hadron facility at J-PARC

Date: May 23rd, 2013, 11:15, Place: Hadron facility

Overview

Accidentally, unexpected high intensity proton beam was incident on Au target in very short time (5msec). As a result, generated radioactive materials flow out experimental hall. In addition, the radioactive materials leaked out to an environment by miss-operation of ventilation system. 34 persons in the experimental hall were exposed to the radiation (0.1-1.7 mSv) and area radiation monitors slightly detected increase of the radiation dose (~4μSv).



Gold target after accident

Effects

- Operation of J-PARC has stopped.
- All experiments after the accident have been cancelled.
- 6th AONSA Neutron School in Tokai was cancelled.

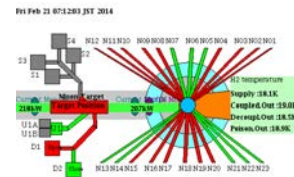
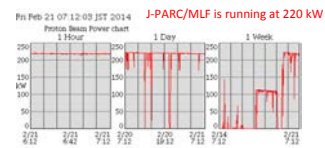
Effort for Restart

- Improvement of organization for safety management.
- Meetings to explain to local residents (three times)
- Amendment of Regulations concerning about Radiological safety and so on
- Safety Training

User operation at J-PARC/MLF has restarted on 17 Feb 2014.
Thank you for all your kind assistance!

Material and Life Science Experimental Facility / Facilities at J-PARC

2014/02/17 7:36



Appendix 12 KNBUA report

Recent activities of the Korean Neutron Beam Users Association

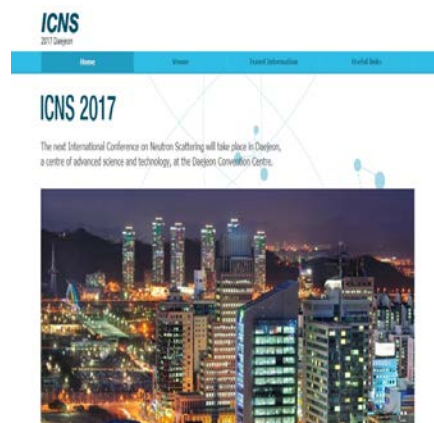
The 12th AONSA EC Meeting
Daejeon, Feb. 21, 2014



Jae-Ho Chung
Department of Physics
Korea University

Gearing up for ICNS2017 ...

- Daejeon, Korea, Summer of 2017
- The steering committee started working hard to form organization committee and advisory boards
- Webpage already working! <http://www.icns2017.org/eng/index.do>



The 13th Japan-Korea Meeting on Neutron Science

- February 16-18, 2014, Lotte Resort Buyeo, Buyeo, Korea
- <http://hanaro4u.kaeri.re.kr/JKmeeting/JK2014/index.php>

- 2 tutorial sessions
- 3 facility reports
- 19 science talks
- 19 posters
- ~ 80 participants
- The 14th meeting will be held Jan/Feb 2015 in Tokai (Dr. k. Nakajima)



Appendix 13 TWNSS report

**Activity report of
TWNSS
Feb 21, 2014
AONSA EC meeting**

Hsiung Chou
 Department of Physics
 National Sun Yat-Sen University
 Taiwan

Hsi-Mei Lai
 Dept. of Agricultural Chemistry
 National Taiwan University
 Taiwan

2014:
Regular activities:
 (I) Annual Meeting, Short Course and Conference
 (II) Newsletters
 (III) Proposal Evaluation

Missions:
 (I) Promotion
 (II) Advisory Committee
 (III) AONSA School of Neutron Crystallography

Calendar of TWNSS Activities

Year 2013	
2/14 & 9/1	TWNSS Newsletter Vol.1, No.1
3/22-4/8	The 6th AONSA Neutron School School (Rec. 7 applicants)
10/10-13	2013 Joint Conference of TWNSS annual meeting and User's group meeting (>200 participants)
11/23-24	Promotion on 2013 Annual Meeting and Conference of Chemistry Society
Year 2014	
1/22	Promotion on 2014 Annual Meeting and Conference of Chinese Physics Society
3/5 & 9/1	TWNSS Newsletter Vol. 2, No. 1 & 2
5/ & 6/	Promotion on (1) International Hydrocolloids Conference, (2) 2014 Annual Meeting and Conference of Taiwan Magnetic Association, and (3) 2014 Annual Meeting and Conference of Chinese Material Society
9/9-11	2014 AONSA School on Neutron Crystallography
9/11-13	2014 TWNSS Annual meeting, Short school and Conference

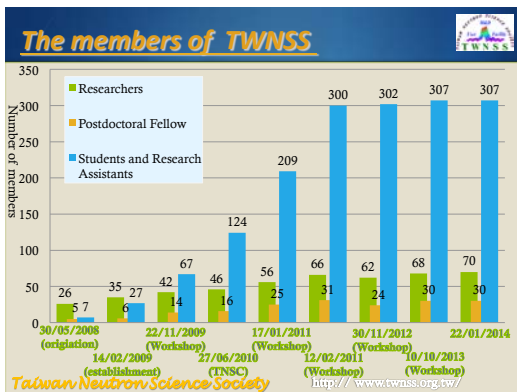
Workshop on Neutron Scattering Science 2013

Time : 2013/10/10-10/13
 Venue: National Museum of Marine Biology & Aquarium, Checheng, Pingtung, Taiwan

Invited Speakers: 31

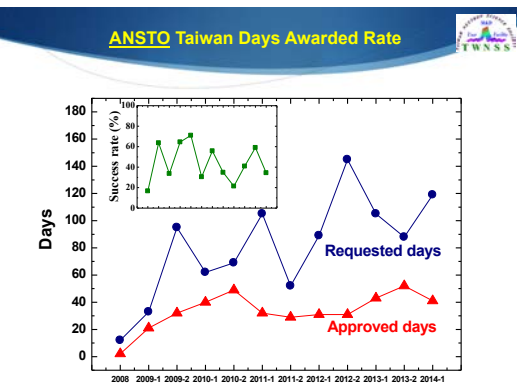
Attendant	Number
Researchers	45
Postdoctoral Fellows	9
Students and Research Assistants	133
Total	187

Taiwan Neutron Science Society



ANSTO Taiwan Days Awarded Rate

Round	Requested Days	Approved Days	Success rate %
2008	12	2	17%
2009-1	33	21	64%
2009-2	95	32	34%
2010-1	62	40	65%
2010-2	69	49	71%
2011-1	105	32	30%
2011-2	52	29	56%
2012-1	89	31	35%
2012-2	145	31	21%
2013-1	105	43	41%
2013-2	88	52	59%
2014-1	119	41	34%
Grand total	974	403	41%



Challenge

Very few researchers ~ 100

Many researches can be benefited from Neutron Scattering Technique

but

they don't know it or how to take advantage from it !!!

Strategy

(I) Promotion:

- Special Neutron Sessions in
 - Annual Meeting and Conference of Chinese Chemistry Society
 - Annual Meeting and Conference of Chinese Physics Society
- Lunch Special talks in Lunch time:
 - International Hydrocolloids Conference
- Get involved in relative Sessions in
 - Annual Meeting and Conference of Taiwan Magnetic Association
 - Annual Meeting and Conference of Chinese Material Society

(II) Advisory Committee :

Helping people who needs suggestions, supporting and teaching.
Mixing people with different needs

(III)AONSA School of Neutron Crystallography

Strong professional training
International mixing

Neutron Application Advisory Committee

Fields	Names
Solid State	Crytal Structure : Wen-Hsien Li · Jauyn Grace Lin · Hsiung Chou Chao-Hung Du · Yen-Nan Chiang
	Magnetic Structure : Wen-Hsien Li · Jauyn Grace Lin · Hsiung Chou Chao-Hung Du · Chun-Chuen Yang
	Thin Films : Chih-Hao Lee · Ko-Wei Lin Metals : E-Wen Huang
Soft Materials	Gel : Tsang-Lang Lin · Hsin-Lung Chen · Ping-Shan Lai Biomolecules : Ching-Hui Yeh · Hsi-Mei Lai Polymers : Ya-Sen Sun
	Energy Materials H Storage : Kuen-Song Lin · Cheng-Si Tsao · Chen-Wei Liu Li Battery : She-Huang Wu · Ru-Shi Liu
Dynamics	Excitation : Lich-Jeng Chang · Wen-Hsien Li · Jason Gardner Transfer : Tsang-Lang Lin

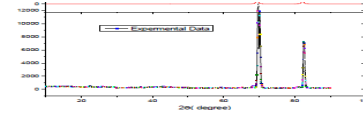
Appendix 14 CSNS report

First Neutron user meeting organized by CNSNS in 2013 host by CSNS, four new user's machines has been built on CARR [\(headline\)](#)



Prof. Hesheng Chen nominated as 1st Chair of CNSNS

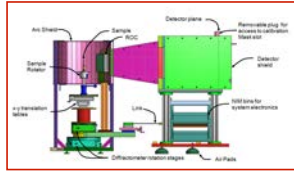
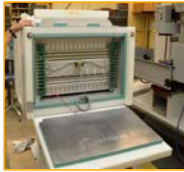
As one of super user, Peking University built first neutron diffraction machine from Ministry of Education of China, and finished test with beam at China Advanced Research Reactor (CARR)



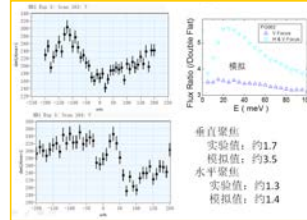
Major parameters of Powder Diffractometer with PKU on CARR



Monochromator: Si(111)
Neutron wavelength: 1.478 Å
Detector: 11 LPSDs
S-D distance: 105cm ~ 160cm



IOP-CIAE Triple Axis at CARR



Partly finished the Cu Phonon Dispersion Curve measurement

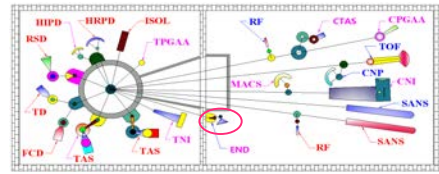
配置	无聚焦	垂直聚焦	双聚焦
全通过	2.53×10^7	4.24×10^7	5.34×10^7
速度选择器	1.74×10^7	2.92×10^7	3.60×10^7

As another super user, Institute of Physics has built first IOP-CIAE Triple Axis on behalf of Chinese academy of Science, named Bamboo.

As newest super user, Renmin University of China has successfully got one of the biggest funding from National Science Foundation of China 130MRMB (21MUSD) and passing through the first year review meeting on Jan 16, 2014 to build two inelastic neutron spectrometers on CARR



As another new super user, South Central University of China has successfully got funding from National Science Foundation of China 76MRMB (13MUSD) to build Engineer Diffractometer on CARR for national industrial application



China Spallation Neutron Source (CSNS)



Site Civil Construction Status (Nov. 2013)

Some delay in the foundation construction due to geological difficulties (fracture zone...) Now the problems were overcame. Status of Infrastructure & Civil construction by Mr. Guoping Lin

Baseline Schedule for China Spallation Neutron Source (CSNS)

prototyping R&D	Jan. 2006 –
detail design	Jan. 2011 – Dec. 2011
construction start	Sept. 2011
civil construction	May 2012 – August 2015
component fabrication	Sept. 2011 – July 2015
installation & tests	November 2013 – Sept. 2017
RCS commissioning start	July 2016
first beam on target	Sept. 2017
project complete/operation start	March 2018 (6.5 years from start)

Installation & commissioning Schedule

NO.	Building	Buildings available for use	Conventional facilities available for use	Equipment installation	Equipment commissioning
1	Test building 1#	Jul. 2013	Nov 15, 2013	Nov 15, 2013	Dec 15, 2013
2	Test building 2#	Jul. 2013	Nov 15, 2013	Nov 15, 2013	Dec 15, 2013
3	Exhaust center	Jul. 2013			
4	Cooling water station	Jul. 2013	Dec 15, 2013		
5	Maintenance station & warehouse	Nov 4, 2013	Nov 4, 2013		
6	Office and lab building	Nov 30, 2013	Dec 30, 2013	Dec 10, 2013 (Office furniture approach)	
7	Service building	Nov 30, 2013	Dec 30, 2013	Dec 10, 2013 (Office furniture approach)	
8	Radiation protection building	Nov 8, 2013	Nov 8, 2013		
9	LNAC tunnel	Nov 15, 2013	Feb 15, 2014	Dec 20, 2013	Jan 20, 2014
10	LNAC service building	Feb 20, 2014	May 20, 2014	Mar 20, 2014	May 20, 2014
11	LRBT tunnel	Nov 15, 2013	Feb 15, 2014	Dec 20, 2013	Jan 20, 2014
12	LRBT service building	Feb 20, 2014	May 20, 2014	Mar 20, 2014	May 20, 2014
13	RCS tunnel	May 31, 2014 (Main structure completed)	Oct 20, 2014	Oct 20, 2014	
14	RCS service building	Sep 20, 2014	Dec 20, 2014	Dec 20, 2014	
15	RTBT tunnel	May 31, 2014 (Main structure completed)	Jan 12, 2015	Jan 12, 2015	
16	RTBT service building	Oct 12, 2014	Jan 12, 2015	Jan 12, 2015	
17	Target tunnel	Aug 28, 2015	Sep 1, 2015	Sep 1, 2015	
18	Target building	Aug 28, 2015	Sep 1, 2015	Sep 1, 2015	

● The 5th Review Meeting of the CSNS International Advisory Committee at Dongguan from November 18 to 20, 2013.



● The 1st National Conference on Neutron Scattering and Workshop on Applications of National Neutron Facilities—2013 was held in DongGuan Science & Technology School from December 10 to 12, 2013.



● The 2nd Conference of the Science and Technology Committee of CSNS Project was held in DongGuan Science & Technology School on December 10, 2013.



● The 2nd Plenary Meeting of Chinese Neutron Scattering Society was held in DongGuan Science & Technology School on December 10, 2013.