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ICANS on the World Wide Web

John M. Carpenter and John P. Hammonds

Intense Pulsed Neutron Source, Argonne National Laboratory, Argonne, IL 60439

ABSTRACT

This paper describes our entry of ICANS information on the World Wide Web.

Description of the ICANS entry on the World Wide Web

In July 1995 we created a site on the World Wide Web^[1] to provide information about the International Collaboration of Advanced Neutron Sources (ICANS)^[2]. The World Wide Web provides a means of distributing and updating (in an on demand method) information to the neutron scattering community using the Internet services. Information is distributed on the Web using a client server format. A host computer stores the original document and clients access it using software on the requester's computer. Client software addresses information on the server (host) using a Uniform Resource Locator (URL)^[3]. The URL for the ICANS Web is <http://www.pns.anl.gov/icans/icansdescript.html>. The ICANS entry is available through a link from the IPNS home page^[4]. Other sites can add a reference to it by adding a link to the URL above. The ICANS Web server is located at IPNS. At present, the site contains

- a brief history of ICANS
 - a statement of the goals of ICANS
 - a list of member organizations with names of ICANS contacts
- and
- an annotated list of meetings and proceedings reports.

Future plans for this site include

- announcements of upcoming events
 - references to other items of interest to the neutron scattering community
- and
- electronic copies of conference reports.

We encourage ICANS members to provide corrections, changes, and suggestions for additional information to either author via e-mail^[5]^[6].

A copy of the current contents of the ICANS World Wide Web entry follows. All underlined text in the Web document indicates a hypertext link to a site containing information about that text. All of the references in this paper are in the form of URLs since most of the information about the Web is available as on-line documentation.

Keywords: ICANS, History, Meetings, Proceedings

ICANS

International Collaboration on Advanced Neutron Sources

ICANS is an informal network of laboratories whose scientists are involved in developing pulsed neutron sources and accelerator based spallation neutron sources.

Brief history of ICANS

ICANS originated in discussions that took place in 1977 at Argonne National Laboratory among John M. Carpenter of Argonne National Laboratory, Rex G. Fluharty of Los Alamos Scientific Laboratory, Leo C. W. Hobbs of Rutherford Laboratory, and Motoharu Kimura, representing Tohoku University and the Japanese National Laboratory for High Energy Physics (KEK). They formulated the goals and structure of the Collaboration, described below as they have since been slightly modified. T. O. Brun and J. M. Carpenter share blame for the "ICANS" acronym.

ICANS meetings began in 1977 with a gathering at Argonne. A second was held at Rutherford Laboratory in 1978, and a "mini-ICANS" meeting, held jointly between KEK and Rutherford Laboratory scientists, took place at Rutherford Laboratory in 1979. None of these sessions was reported in any published document. Subsequent meetings have all been reported in proceedings. Altogether there have been twelve major ICANS meetings up to 1994. About 125 scientists have attended each of the recent ICANS meetings.

Related similar topical collaborations and series of meetings have recently been established, the Advanced Pulsed Neutron Sources (PANS) conferences convened by the Frank Laboratory of Neutron Physics, JINR, Dubna, and the International Group on Research Reactors (IGORR) meetings.

Goals and structure of ICANS

The attention of the Collaboration is on the subjects of accelerator development, source (target) and moderator development, and neutron scattering instrumentation development. The collaboration has the following goals:

- to facilitate the exchange of technical information
- to provide for review of results and designs
- to reduce duplication of efforts
- to identify areas for collaborative efforts, and
- to provide means for informing participants about plans for activities relating to pulsed and steady spallation source development.

Meetings are normally of four or five days duration and are held about every two years. Efforts are made to coordinate ICANS meetings with other events in order to minimize the costs and other impacts of travel. Usually, meetings address two of the three subject areas, always including the topic of targets and moderators. Meetings are only loosely structured, including brief status reports from each of the active laboratories, contributed papers from the participants, and sometimes poster sessions. Ideally, meetings provide substantial time for workshop sessions and informal discussions. Always, meetings end with "how did we do?" discussions and planning for forthcoming meetings.

It is the tradition within the Collaboration that each of the participating laboratories identifies an "ICANS Contact" who serves to communicate with the Collaboration on behalf of the laboratory. Normally responsibility for playing host to meetings rotates among the participating laboratories and is decided by discussions among the contacts one or two cycles before the planned meeting. Responsibility for coordinating events rests with the host of the next

upcoming meeting, and the host laboratory takes responsibility for timely publication of proceedings and for supporting other conference costs. Otherwise, the Collaboration is quite informal. For early meetings, there was no fee for participation in ICANS meetings. This policy was changed as of ICANS XIII (1995) due to the growing burden on the host laboratory because of participants from non-member laboratories. Attendance is by invitation from the host through the member laboratory ICANS Contacts.

The tradition is that the directors of the member laboratories send a letter to the director of any new laboratory that wishes to join in the Collaboration; these are shepherded by the ICANS Contacts. A new member laboratory must be willing to accept host responsibilities. Initial expressions of interest should be addressed to the ICANS Contact of the next-host laboratory.

ICANS Contacts for current member laboratories

- ✓ V. L. Aksenov - Laboratory of Neutron Physics, Joint Institute for Nuclear Research, Dubna, Russia
✓ B. R. Appleton - Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA
✓ G. S. Bauer - Paul Scherrer Institute, Villigen, Switzerland
J. M. Carpenter - Argonne National Laboratory, Argonne, Illinois, USA
✓ G. J. Russell - Los Alamos National Laboratory, Los Alamos, New Mexico, USA
I. M. Thorsen - TRIUMF, Vancouver, British Columbia, Canada
✓ ~~N. Watanabe~~ - National Laboratory for High Energy Physics, Tsukuba, Japan
✓ W. G. Williams - Council for the Central Laboratory of the Research Councils, Chilton, Oxon, UK

ICANS meetings and proceedings

Following is a list of ICANS meetings, dates, venues, and references to proceedings. The list includes full titles of the proceedings volumes, sources for obtaining copies (availability is not certain), and suggested short forms for use in journal references.

ICANS I Argonne National Laboratory, December 12-15, 1977

ICANS II Rutherford Laboratory, July 10-14, 1978

ICANS III Los Alamos Scientific Laboratory, March 19-22, 1979

International Collaboration on Advanced Neutron Sources ICANS III: Conference on Target Stations and Accelerator Technology. Los Alamos Scientific Laboratory, March 19-22, 1979. Compiled by Gary J. Russell. (ring bound, 136 pages)

Unnumbered internal report of Los Alamos Scientific Laboratory, September, 1979.

ICANS III, Los Alamos, March, 1979; unnumbered internal report of Los Alamos Scientific Laboratory, (September, 1979).

ICANS IV National Laboratory for High Energy Physics, Tsukuba, Japan, October 20-24, 1980

Proceedings of the 4th Meeting of International Collaboration on Advanced Neutron Sources (ICANS IV) KEK, Tsukuba, October 20-24, 1980, KENS Report II, March, 1981. Edited by Yoshikazu Ishikawa, Noboru Watanabe, Yasuo Endoh, Nobuo Niimura and John M. Newsam. (perfect bound, 776 pages)

Unnumbered internal report of the Japanese National Laboratory for High Energy Physics, 1-1 Oho-Machi, Tsukuba-gun, Ibaraki-ken, 305 Japan.

ICANS IV, KEK, October, 1980, unnumbered internal report of the Japanese National Laboratory for High Energy Physics, (March, 1981).

ICANS V KFA Jülich and KfK Karlsruhe, Germany, June 22-26, 1981

ICANS-V: Proceedings of the 5th Meeting of the International Collaboration on Advanced Neutron Sources, Plenary Sessions and Target Station Workshops, Jülich, June 22-26, 1981. Editors: G. S. Bauer and D. Filges. ISSN 0344-5789. KFA report Jül-Conf-45, Kernforschungsanlage Jülich GmbH, October, 1981. (perfect bound, 664 pages)

Printed by Berichte der Kernforschungsanlage Jülich GmbH. Available through ZENTRALBIBLIOTEK der Kernforschungsanlage Jülich, Postfach 1913 D-5170, Jülich, Germany.

ICANS V, Jülich, June, 1981, KFA report Jül-Conf-45, (1981).

and

ICANS-V: Proceedings of the 5th Meeting of the International Collaboration on Advanced Neutron Sources, Workshop on High Intensity Accelerators and Compressor Rings, Karlsruhe, June 22-26, 1981. Editor: M. Kunze. ISSN 0303-4003. KfK report KfK 3228, Kernforschungszentrum Karlsruhe, October, 1981. (perfect bound, 254 pages)

Printed by Kernforschungszentrum Karlsruhe

ICANS V, Karlsruhe, June, 1981, KfZ report KFZ 3228, (1981).

ICANS VI Argonne National Laboratory, June 28-July 2, 1982

ICANS VI: Proceedings of the Sixth Meeting of the International Collaboration on Advanced Neutron Sources, Argonne National Laboratory, June 29-July 2, 1982. Editor J. M. Carpenter. Argonne National Laboratory report ANL-82-80. January, 1983. (perfect bound, 662 pages)

Available from National Technical Information Service, U. S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161.

ICANS VI, Argonne, June, 1982, Argonne National Laboratory report ANL-82-80, (1983).

ICANS VII Chalk River Nuclear Laboratory, September 13-16, 1983

ICANS-VII Proceedings of the Seventh Meeting of the International Collaboration on Advanced Neutron Sources, Chalk River Nuclear Laboratories, September 13-16, 1983. Edited by S. O. Schriber. Atomic Energy of Canada Limited report number AECL-8488, September, 1984. ISSN 0067-0367 (perfect bound, 292 pages)

Scientific Document Distribution Office, Atomic Energy of Canada Limited, Chalk River, Ontario, Canada K0J1J0. Document number 3003-84. \$11.00 per copy

ICANS VII, Chalk River, September, 1983, Atomic Energy of Canada Limited report number AECL 8488

ICANS VIII Rutherford-Appleton Laboratory, July 8-12, 1985

Proceedings of the Eighth Meeting of the International Collaboration on Advanced Neutron Sources, 8-12 July 1985. Editor George C. Stirling. Volume I, Status reports, Target systems, Moderators; Volume II, Neutron-scattering instruments; Volume III, Neutron-scattering techniques. Rutherford Appleton Laboratory report RAL-85-110, November, 1985. (perfect bound, 3 volumes, 831 pages)

Published by the Science and Engineering Research Council, Rutherford Appleton Laboratory, Chilton, Oxon, OX 0QX, UK.

ICANS VIII, Rutherford-Appleton Laboratory, July, 1985, Volumes I, II, III, Rutherford-Appleton Laboratory report RAL-85-110, (1985).

ICANS IX Swiss Institute for Nuclear Research, September 22-26, 1986

ICANS IX: Proceedings of the 9th Meeting of the International Collaboration on Advanced Neutron Sources, Villigen, September 22-26, 1986. Editors F. Atchison and W. Fischer. SIN report number 7 87 180 40926; ISBN 3-907998-01-4, July, 1987. (perfect bound, 657 pages)

Produced by the Information Services, Public Affairs Office, Swiss Institute for Nuclear Research, CH 5234 Villigen/Switzerland. Document number 7.87 180 40926.

ICANS IX, Villigen, September, 1986, SIN report number 7 87 180 40926, (1987).

ICANS X Los Alamos National Laboratory, October 3-7, 1988

Advanced Neutron Sources 1988, Proceedings of the 10th Meeting of the International Collaboration on Advanced Neutron Sources (ICANS X) held at Los Alamos, 3-7 October, 1988, Edited by D. K. Hyer. Institute of Physics Conference Series Number 97, Institute of Physics, Bristol and New York. CODEN IPHSAC 97 1-890 (1989), ISBN 0-85498-053-9. (hard cover, 890 pages)

IOP Publishing Ltd, Techno House, Radcliffe Way, Bristol BS1 6NX, England; 335 East 45th Street, New York, NY 10017-3483, USA.

ICANS X, Los Alamos, October, 1988, Institute of Physics Conference Series Number 97, Institute of Physics, Bristol and New York, (1989).

ICANS XI National Laboratory for High Energy Physics, Tsukuba, Japan, October 22-26, 1990

ICANS-11: Proceedings of the 11th Meeting of the International Collaboration on Advanced Neutron Sources, KEK, Tsukuba, October 22-26, 1990. KEK report 90-25, March, 1991 AMRD. Editors M. Misawa, M. Furusaka, H. Ikeda and N. Watanabe. (2 volumes, perfect bound, 1159 pages)*

Technical Information and Library, National Laboratory for High Energy Physics, 1-1 Oho, Tsukuba-shi, Ibaraki-ken, 305 Japan.

ICANS XI, Tsukuba, October, 1990, Japanese Laboratory for High Energy Physics, KEK report 90-25, (1991).

ICANS XII Rutherford Appleton Laboratory, Abingdon, Oxfordshire, UK, May 24-28, 1993.

Proceedings of the Twelfth Meeting of the International Collaboration on Advanced Neutron Sources, ICANS-XII, held at the Cosener's House, Abingdon, Oxfordshire, UK, 24-28 May, 1993. Volume 1, New Science at Pulsed Sources, Instrumentation Workshop; Volume 2, New Sources, Accelerator Workshop, Target Station Workshop; Facility Status Reports, Abstract Booklet. Rutherford-Appleton Laboratory report 94-025, 1994. Editors Ushchi Steigenberger, Tim Broome, Grahame Rees and Alan Soper. (perfect bound, Volume 1, 384 pages; Volume 2*, 392 pages; Status Reports, 56 pages; Abstracts, 112 pages)

Published by the Science and Engineering Research Council, Rutherford Appleton Laboratory, Chilton, Oxon, OX 0QX, UK.

ICANS XII, Rutherford-Appleton Laboratory, May, 1993, Volume 1, Volume 2, Status Reports, and Abstracts, Rutherford-Appleton Laboratory report 94-025, (1994).

Next ICANS Meeting, ICANS XIII

To be held in Switzerland, October 11-14, 1995, in sequence with the third ESS Plenary Meeting. Host, Paul Scherrer Institute. Contact, G. S. Bauer.

* Contains list of attendees' names, addresses, and telephone numbers.