



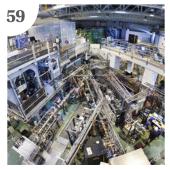




Feature Articles

- Kenneth S. Petersen: Looking forward with optimism
- Breakthrough development in 34 aging management of I&C cables
- $26 \substack{\text{Modernization of the existing} \\ \text{fleet: Gaining speed!}}$
- The U.S. nuclear fuel Gordian knot: From global supplier to vulnerable customer









Insight & Opinion

- 4 Nuclear Notes On I&C and human factors
- 6 Letters
- 8 Atoms Human risk factors

12 Leaders

Using intelligent technologies to power our present and develop our future

92 Opinion

The comfort of nuclear power

104 Nuclear News Asks What is at the forefront of PRA today?

Headlines

- 14 Nuclear Trending
- 50 Power & Operations
- 58 Research & Applications
- 65 Waste Management
- 70 Education
- 76 History
- 80 ANS News

Community Updates

- 86 Industry
- 90 Standards
- 91 Index to Advertisers
- 95 People
- 98 Calendar
- 100 Calls For Papers
- 102 Recently Published
- 103 ANS Journals

Editorial

Director of Publications John Fabian Publisher/Editor-in-Chief Rick Michal

Staff Writers

Susan Gallier, Tim Gregoire, Michael McQueen

Contributor A. J. Smuskiewicz

Copy Editors David Strutz, Mary Tong

Graphic Design Specialist Chris Salvato

Contributing Designers Jay Bogardus, Lisa Dagley

Advertising & Circulation

Director of Sales Jeff Mosses

Advertising Production Specialist Erica McGowan

Editorial Advisory Committee

Jess C. Gehin, John G. Gilligan, Lawrence E. (Larry) Boing, Dale Vines

ANS Officers

President Kenneth Petersen

Vice President/President-Elect Lisa Marshall

Chairman, ANS Publications Steering Committee Xiaodong Sun

Administrative

Executive Director/Chief Executive Officer Craig Piercy

ANS Headquarters

General Information

askanything@ans.org 708/352-6611 | Fax 708/579-8314 | ans.org

Nuclear News Advertising

708/579-8225 | 708/579-8226 ans.org/advertise | advertising@ans.org

Nuclear News Editorial

708/579-8216 | nucnews@ans.org | ans.org/nn

Nuclear News (ISSN: 0029-5574), Volume 66, Number 8. Published monthly (except during the month of April when issued twice monthly) by the American Nuclear Society, Incorporated, with business, executive, and editorial offices at 5200 Thatcher Road, Downers Grove, Illinois 60515; telephone 708/352-6611. Subscription rate for 2023 is \$725, which includes complimentary electronic access, 1959 to current issue: for subscriptions outside North America. add \$80 for shipping and handling. Alternatively, subscription rate is \$635 for Electronic Access Only, 1959 to current issue. Single copy price (regular monthly issues) is \$52; add \$12 for postage and handling if being shipped to address outside North America. Single copy price for annual mid-April Buyers Guide is \$125; add \$15 for postage and handling if being shipped to address outside North America. Individual ANS members receive *Nuclear News* as part of membership. Replacement copies may be obtained at the single copy price, as long as copies are available. Inquiries about the distribution and delivery of *Nuclear News* and requests for changes of address should be directed to the American Nuclear Society. Allow six weeks for a change to become effective. POSTMASTER: Send change of address orders to *Nuclear News*, American Nuclear Society, 5200 Thatcher Road, Downers Grove, Illinois 60515, or

Nuclear News is printed in New Richmond, Wis. 54017, by St. Croix Press, Inc. Nonprofit periodicals postage paid at La Grange, Illinois, and at additional mailing offices. Copyright © 2023 by the American Nuclear Society, Inc. Trademark registered in USA and Canada.

Opinions expressed in this publication by the authors are their own and do not necessarily reflect the opinions of the editors, the American Nuclear Society, or the organizations with which the authors are affiliated, nor should publication of author viewpoints or identification of materials or products be construed as endorsement by this publication or by the Society.

Texts of most Nuclear News articles are available on the LexisNexis database, from Mead Data Corporation.

