

Breaking Out of the Grey Area: Discoverability of Technical Reports at the National Institute of Standards and Technology

Kathryn Miller

Katelynd Bucher

Library Publishing Forum 2017

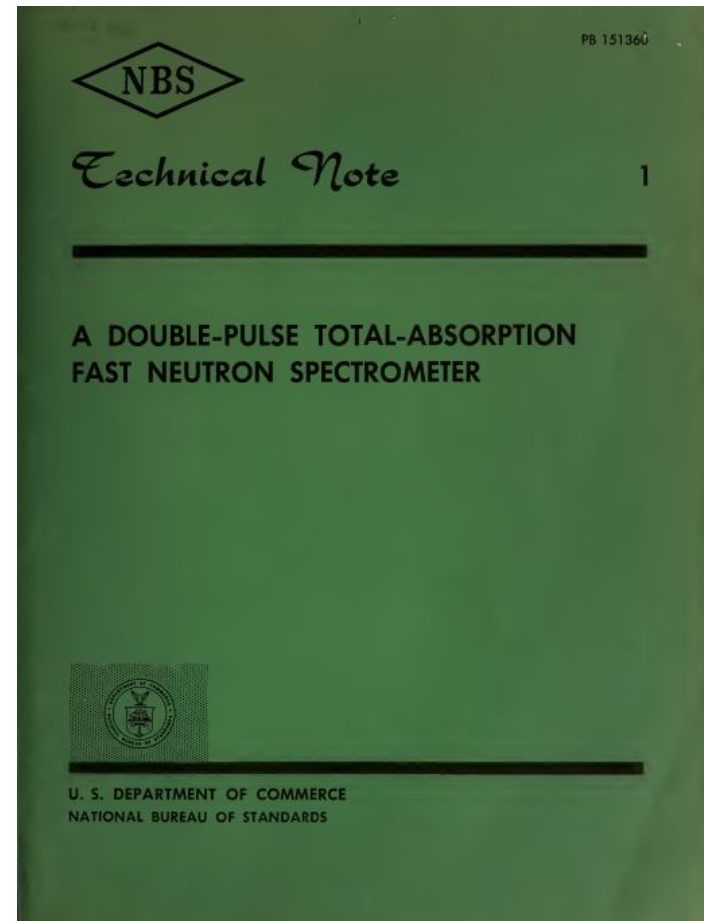
March 20, 2017

National Institute of Standards and Technology

- Non-regulatory federal agency made up of about 3,000 science and technology researchers
- NIST promotes U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology
- The Information Services Office (ISO) supports and enhances research activities of the NIST scientific community through a comprehensive program of knowledge management

History of NIST Grey Literature

- NIST Technical Series
 - First published in 1902
 - Comprised of 92 technical report series and peer-reviewed *Journal of Research of NIST*
 - Still publishing 19 technical report series and *Journal of Research of NIST*



<https://doi.org/10.6028/NBS.TN.1>

Publish & Archive

- Unique responsibility for **publishing new** grey literature and **archiving legacy** documents
- Metadata and Publishing Librarians work together to employ methods for improving access and discoverability across the entire collection of grey literature

Discoverability

- Digitization project
 - Internet Archive
- Discovery layer search
- GPO FDsys (govinfo)

The image shows a screenshot of the NIST Publications website. At the top, there is a search bar and a navigation menu with links for 'Browse', 'About', 'Developers', 'Features', 'Help', and 'Feedback'. The main heading is 'National Institute of Standards and Technology (NIST) Publications'. Below this, there is a section titled 'About National Institute of Standards and Technology (NIST) Publications' which includes a brief description of NIST and a link to the NIST Research Library. A search box is also present, with a pre-filled search term 'NBS Building and Housing, 1922-1931'. The search results section is titled 'All NIST Publications' and lists several publications, including 'NBS Building and Housing, 1922-1931' and 'NBS Building and Material Structures, 1938-1959'. The background of the screenshot shows a grid of document covers from the Internet Archive.

Discoverability (cont'd)

- CrossRef* DOIs
- NIST.gov/publications
- Google Scholar* (2012-present)
- *Journal of Research of NIST*
 - PubMed Central
 - Web of Science*
 - Scopus*

The image displays three overlapping screenshots of digital search interfaces. The top screenshot is from CrossRef, showing a search for 'computer security' with filters for 'Report (32)' and 'RELEVANCE'. The middle screenshot is from NIST.gov, showing a search for 'A review of test artifacts for additive manufacturing' with authors listed as Shawn Moylan, April Cooke, Kevin Jurens, John Stojowski, and M Alkan. The bottom screenshot is from PubMed Central (PMC), showing the 'Journal of Research of NIST' with a table of volumes and issues.

Journal of Research of the National Institute of Standards and Technology Vols. 94 to 120; 1989 to 2015			
Vol. 120 2015	v 120 1-342 2015		
Vol. 119 2014	v 119 1-701 2014		
Vol. 118 2013	v 118 1-416 2013		
Vol. 117 2012	v 117 1-332 2012		
Vol. 116 2011	v 116(1) 489-556 Jan-Feb 2011	v 116(2) 557-646 Mar-Apr 2011	v 116(3) 647-688 May-Jun 2011
	v 116(4) 689-749 Jul-Aug 2011	v 116(5) 751-796 Sep-Oct 2011	v 116(6) 797-848 Nov-Dec 2011
	v 115(1) 1-59	v 115(2) 61-147	v 115(3) 149-216

*The identification of any commercial product or trade name does not imply endorsement or recommendation by the National Institute of Standards and Technology.

How to Evolve Grey Literature



Communicate with researchers



Create new publishing options & tools



Work on new ways to analyze impact



Enhance discoverability

Questions?