

Request for Information on Potential Concepts and Approaches for a National Strategic Computing Reserve (NSCR)

OSTP and the National Science and Technology Council's (NSTC) Subcommittees on the Future Advanced Computing Ecosystem (FACE) and Networking and Information Technology Research and Development (NITRD) request input from interested parties on the goals, value, and necessary approaches for establishing a National Strategic Computing Reserve (NSCR). The NSCR may be envisioned as a coalition of experts and resource providers that could be mobilized quickly to provide critical computational resources (including compute, software, data, and technical expertise) in times of urgent need. This Request for Information will help inform potential attributes of a NSCR.

Federal Register Notice: [85 FR 83627](#)

Tue, 22 Dec 2020 16:02:45 GMT

NATIONAL CYBERSECURITY CAREER AWARENESS WEEK: RESOURCES FOR A CYBERSECURITY CAREER

Cybersecurity is one of the fastest growing careers in the U.S. Are you a student or know someone who is interested in a cybersecurity career? Confused on where to start? Wondering what are the options in cybersecurity? Take a look at the extensive amount of information on the [RESOURCES FOR A CYBERSECURITY CAREER](#) webpage as you explore a career in cybersecurity. Check out the programs for K-12, undergraduate and graduate students, and post-graduates! You will find resources for students, educators, and others spanning information about internships, scholarships, schools with cyber programs, cyber camps, and so much more!

Tue, 10 Nov 2020 16:41:00 GMT

PIONEERING THE FUTURE ADVANCED COMPUTING ECOSYSTEM: A STRATEGIC PLAN

This strategic plan envisions a future advanced computing ecosystem that provides the foundation for continuing American leadership in science and engineering, economic competitiveness, and national security. It develops a whole-of-nation approach based on input from government, academia, nonprofits, and industry sectors, and builds on the objectives and recommendations of the "2019 National Strategic Computing Initiative Update: Pioneering the Future of Computing". This strategic plan also identifies agency roles and responsibilities and describes essential operational and coordination structures necessary to support and implement its objectives.

View Full Text: [Future-Advanced-Computing-Ecosystem-Strategic-Plan-Nov-2020.pdf](#)

Wed, 18 Nov 2020 16:39:00 GMT

RECOMMENDATIONS FOR LEVERAGING CLOUD COMPUTING RESOURCES FOR FEDERALLY FUNDED

ARTIFICIAL INTELLIGENCE RESEARCH AND DEVELOPMENT

This report is a product of interagency collaboration, led by the National Science and Technology Council (NSTC) Select Committee on AI and Subcommittee on Machine Learning and AI (MLAI), that is one of several measures responding to the February 11, 2019, Executive Order on Maintaining American Leadership in Artificial Intelligence. The report details four key recommendations for leveraging cloud computing resources for federally funded artificial intelligence (AI) research and development (R&D). Cloud platforms provide robust, agile, reliable, and scalable computing capabilities, which can help accelerate advances in AI. Cloud computing can also democratize access to the powerful computing capabilities needed for many types of AI R&D. This report is another step in the overall Federal Government strategy to position the United States as the world leader in artificial intelligence.

View Full Text: [Recommendations-Cloud-AI-RD-Nov2020.pdf](#)

Tue, 17 Nov 2020 16:38:00 GMT

NITRD Supplement to the President's FY2021 Budget

This document is a supplement to the President's FY2021 Budget Request to Congress. This Supplement reports actual investments for FY2019, estimated investments for FY2020, and requested funding levels for FY2021 by agency and Program Component Area (PCA) for all NITRD R&D programs. It also reports specific agency investments for artificial intelligence and advanced wireless communications. Following Congressional mandate, the Supplement also describes key R&D programs and coordination activities planned for FY2021 by the Federal agencies participating in the NITRD Program. An appendix to the Supplement, the FY2021 Federal Cybersecurity R&D Strategic Plan Implementation Roadmap, lists existing and proposed Federal R&D projects and programs that address the Nation's critical cybersecurity challenges; it is available at <https://www.nitrd.gov/pubs/FY2021-Cybersecurity-RD-Roadmap.pdf>

View Full Text: [FY2021-NITRD-Supplement.pdf](#)

Fri, 14 Aug 2020 17:07:47 GMT

FY2021 Federal Cybersecurity R&D Strategic Plan Implementation Roadmap

Pursuant to the Cybersecurity Enhancement Act of 2014, Public Law 113-274, this document provides FY2021 implementation details for the 2019 Federal Cybersecurity Research and Development Strategic Plan. It lists key Federal projects and programs that directly contribute to addressing the cybersecurity challenges outlined in the 2019 Plan. This document accompanies the NITRD Supplement to the President's FY2021 Budget Request, available at <https://www.nitrd.gov/pubs/FY2021-NITRD-Supplement.pdf>

View Full Text: [FY2021-Cybersecurity-RD-Roadmap.pdf](#)

Fri, 14 Aug 2020 17:06:50 GMT

NITRD Newsletter - May 2020

This revamped newsletter includes many interesting areas for you to explore: *Snippets*, *Topic of the Day*, *Agency Corner*, *Agency Corner*, *Innovation through NITRD*, *Event Highlights*, *NITRD Staff*, *STEM education*. We invite you to take a look at this newly revised newsletter to see the transformative innovations that have found an important place in the American life and challenge you to *Discover NITRD Innovations for You!*

<https://www.nitrd.gov/pubs/newsletter/NITRD-Newsletter-052020.pdf>

Mon, 04 May 2020 19:32:23 GMT

Announcement: Tagging website information related to COVID-19

To increase the online visibility of important COVID-19 information, Federal Chief Information Officers have been directed to incorporate the new Schema.org vocabulary for tagging websites that contain information about COVID-19 prevention measures, disease spread statistics, etc. These new tags are available in Schema.org Version 7.0, released March 17, 2020... [READ MORE](#)

Wed, 15 Apr 2020 15:43:25 GMT

The Interoperability of Medical Devices, Data, and Platforms to Enhance Patient Care

In February 2019 the Networking and Information Technology Research and Development (NITRD) Program's Health Information Technology Research and Development Interagency Working Group (HITRD IWG) issued a Request for Information (RFI) to collect input from industry, academia, and nongovernmental organizations on new approaches to solve the interoperability issues between medical devices, data, and platforms. On July 17, 2019, the group followed up with an in-person Listening Session that included 76 representatives from the device, standards, academic, and medical communities, and government. This report is a summary of the February 2019 Request for Information and July 2019 Listening Session.

View Full Text: <https://www.nitrd.gov/pubs/Medical-Interoperability-2020.pdf>

Mon, 23 Mar 2020 17:00:08 GMT

Federal Health Information Technology Research and Development Strategic Framework

This strategic R&D Framework was developed to improve medical, functional, and public health outcomes through R&D in the use of data and IT for advanced health IT applications and improved detection of existing health concerns and discovery of emerging issues. It is expected that this Framework will help the United States capitalize on the full potential of health IT to improve the efficiency and effectiveness of healthcare and lengthen and improve the quality of American lives. This Framework will also help Federal agencies work across silos and prioritize areas for transformation by investing in tools and technologies that open new areas of discovery and better coordination of R&D activities. It does not define specific research agendas for individual Federal agencies; instead, agencies will continue to pursue priorities consistent with their missions, capabilities, authorities, and budgets, while maximizing planning, collaboration, and coordination with one another through the HITRD IWG to avoid duplicative efforts.

View Full Text: <https://www.nitrd.gov/pubs/Federal-Health-IT-Strategic-Framework-2020.pdf>

Mon, 23 Mar 2020 16:59:01 GMT

Research and Development Opportunities in Video and Image Analytics

Every day, more human activities are assisted by computer vision, a form of artificial intelligence (AI) that enables an automated understanding of the visual world. Computer vision research drives new applications in the public safety domain for both government and industry. The Networking and Information Technology Research and Development (NITRD) Program's Video and Image Analytics (VIA) Team was formed to collaborate and engage in this rapidly developing research area. VIA, which includes researchers from 30 government organizations spanning nearly all Federal agencies, developed these research and development (R&D) opportunities to foster a robust multisector ecosystem that supports the Nation's requirements in video and image analytics...

View Full Text: <https://www.nitrd.gov/pubs/RD-Opportunities-in-Video-Image-Analytics-2020.pdf>

Mon, 23 Mar 2020 16:57:59 GMT

Artificial Intelligence and Cybersecurity: Opportunities and Challenges: Technical Workshop Summary Report

On June 4-6, 2019, the NSTC NITRD Program, in collaboration with the NSTC's MLAI Subcommittee, held a workshop to assess the research challenges and opportunities at the intersection of cybersecurity and artificial intelligence. The workshop brought together senior members of the government, academic, and industrial communities to discuss the current state of the art and future research needs, and to identify key research gaps. This report is a summary of those discussions, framed around research questions and possible topics for future research directions. More Information is available at <https://www.nitrd.gov/nitrdgroups/index.php?title=AI-CYBER-2019>.

Mon, 02 Mar 2020 23:51:18 GMT

Notice of Open to the Public Meetings of the Networking and Information Technology Research and Development (NITRD) Program

The NITRD Program holds meetings that are open to the public to attend. The Joint Engineering Team (JET) and Middleware And Grid Interagency Coordination (MAGIC) Team provide an opportunity for the public to engage and participate in information sharing with Federal agencies. The JET and MAGIC Team report to the NITRD Large Scale Networking (LSN) Interagency Working Group (IWG). [MORE](#)

Thu, 20 Feb 2020 14:37:39 GMT