

STI PRODUCT TYPE FACTSHEET FOR DOE LABORATORY RESEARCHERS:



Scientific Videos

ABOUT STI

In the course of performing research and development (R&D) and other scientific and technological work, researchers funded by the U.S. Department of Energy (DOE) produce scientific and technical information (STI) to document and disseminate their findings.

STI includes products such as journal articles, technical reports, conference presentations, books, and more. Through the Scientific and Technical Information Program (STIP), the DOE Office of Scientific and Technical Information (OSTI) collaborates with people across the DOE complex, including Headquarters programs, field offices, national laboratories, and other facilities. The STIP partnership ensures that the results of DOE-funded work are identified, disseminated, and preserved. Thus, OSTI collects STI produced across the DOE laboratory and facility complex as well as from financial assistance recipients.

DEFINITION

One emerging format of STI is categorized as videos or multimedia. DOE produces hundreds of STI videos each year with significant scientific and technical content. Like full-text indexing of a document, content indexing of an audio or video file greatly enhances the retrievability of the STI as a whole and also enables a user to find the exact place in the video where the term he/she is searching for was actually spoken by the presenter or the narrator. These videos are typically from conferences and events where speakers or panels of speakers present the content. Webinars used to disseminate research results may also be recorded as a video. Whether the STI product is a conference presentation or some other event where Multimedia was used to present research results, the information can be made more easily accessible by announcing the item to OSTI.

SUBMISSIONS

Each DOE laboratory has a site program to manage scientific and technical information produced under the contract and to make it available to DOE's Office of Scientific and Technical Information. Each site's STI Manager is involved in the process; for more information, see the listing of STI Managers at <https://www.osti.gov/stip/stimanagers>. Sites are encouraged to provide metadata and a link to a video or audio file through the AN 241.1 on E-Link, via Batch Upload, or via the AN 241.1 Web Service. The audiovisual formats that can be automatically downloaded, cached, and content-indexed by OSTI as CO (conference/event) STI submissions are listed at <https://www.osti.gov/stip/audiovisualsti>. OSTI displays visual materials in MP4, so if another format is received, the file will be converted in order to process and display.

STI AVAILABILITY

OSTI.GOV (<https://www.osti.gov>) is the primary search tool for technology, and engineering research and development results organizational hub for information about the DOE Office of Technical Information. Launched in 2018, it consolidates OSTI's and the previous search tool SciTech Connect. **OSTI.GOV** makes over 70 years of research results from DOE and its predecessor Research results include journal articles/accepted manuscripts and related metadata; technical reports; scientific research datasets and collections; scientific software; patents; conference and workshop papers; books and theses; and multimedia. **OSTI.GOV** contains over 3 million records, including citations to 1.6 million journal articles, 1.1 million of which have digital object identifiers (DOIs) linking to full-text articles on publishers' websites. **OSTI.GOV** provides access to this DOE STI by offering numerous easy-to-use search capabilities and customization options; and for the DOE community, additional citation information is available to help researchers evaluate article impact and find related research.



DOE science, and the Scientific and home page discoverable agencies.



DOE ScienceCinema (<http://www.osti.gov/sciencecinema>) includes more than 4,000 scientific videos and multimedia from DOE national laboratories, other DOE research Facilities and CERN (European Organization for Nuclear Research), and makes them searchable using IBM Watson speech-recognition search technology. The ability to search and "jump to" the spoken words in a video that may be an hour or longer is a unique, added value. Released in February 2019, **DOE ScienceCinema** was updated for a new look and feel, as

well as new features including: more powerful searching, filtering options, account and playlist functionalities, larger video players, and further audio searching within individual videos.

OSTI.GOV and **DOE ScienceCinema** are included in the Federal science portal **Science.gov** (<https://www.science.gov>) and the international science portal **WorldWideScience.org** (<https://worldwidescience.org>). **Science.gov**, hosted by OSTI, offers free access to research and development (R&D) results and scientific and technical information from more than 60 databases from scientific organizations across 13 federal agencies. **WorldWideScience.org** searches over 100 STI resources including national libraries and information centers from more than 70 countries.

OSTI also works in close collaboration with Google and others, using Sitemap Protocols and other information industry standards to facilitate the discovery of DOE STI through widely used search engines.

ADDITIONAL INFORMATION/CONTACTS

- ✚ The STIP website at <https://www.osti.gov/stip/>
- ✚ OSTI staff will respond to questions/suggestions sent to stip@osti.gov
- ✚ Questions related to E-Link may also be sent to elink_Helpdesk@osti.gov