



## Broadband Funding Guide

### National Science Foundation

<b>1</b>	<b>Federal Agency/Bureau</b>	National Science Foundation
<b>2</b>	<b>Agency Overview</b>	The National Science Foundation (NSF) is an independent federal agency that supports fundamental research and education across all fields of science and engineering. In fiscal year (FY) 2018, its budget is \$7.8 billion. NSF funds reach all 50 states through grants to nearly 2,000 colleges, universities and other institutions. Each year, NSF receives more than 50,000 competitive proposals for funding and makes about 12,000 new funding awards.
<b>3</b>	<b>Program Name</b>	Spectrum and Wireless Innovation enabled by Future Technologies (SWIFT).
<b>4</b>	<b>Program Website</b>	<a href="https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505774">https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505774</a>
<b>5</b>	<b>Program Overview</b>	This program focuses on effective wireless spectrum utilization and/or coexistence techniques, especially with passive uses, which have received less attention from researchers. Coexistence is when two or more applications use the same frequency band at the same time and/or at the same location, yet do not adversely affect one another.
<b>6</b>	<b>Program Purpose</b>	<input checked="" type="checkbox"/> Planning (e.g., feasibility) <input type="checkbox"/> Broadband Infrastructure (e.g., construction) <input type="checkbox"/> Broadband Adoption <input type="checkbox"/> Digital Skills Training <input type="checkbox"/> Public Computer Access <input type="checkbox"/> Smart Cities <input type="checkbox"/> Evaluation <input checked="" type="checkbox"/> Research <input type="checkbox"/> Broadband Financing <input type="checkbox"/> Other: _____
<b>7</b>	<b>Eligible Recipients</b>	<input type="checkbox"/> Libraries <input type="checkbox"/> K-12 Schools <input checked="" type="checkbox"/> Higher Education Institutions <input type="checkbox"/> Hospitals <input type="checkbox"/> Public Safety Entities <input type="checkbox"/> State and Local Governments <input type="checkbox"/> Tribal Entities <input type="checkbox"/> Commercial/Internet Service Providers <input type="checkbox"/> Non-Profit Organizations <input type="checkbox"/> Small Businesses <input type="checkbox"/> Rural Recipients <input type="checkbox"/> Electric Utilities/Co-ops <input type="checkbox"/> Financial Institutions <input type="checkbox"/> Other: _____
<b>8</b>	<b>Agency Contact</b>	<ul style="list-style-type: none"> <li>• Jenshan Lin, ENG/ECCS, telephone: (703) 292-8339, email: <a href="mailto:jenlin@nsf.gov">jenlin@nsf.gov</a></li> <li>• Alexander Sprintson, CISE/CNS, telephone: (703) 292-8950, email: <a href="mailto:asprints@nsf.gov">asprints@nsf.gov</a></li> <li>• Lawrence S. Goldberg, ENG/ECCS, telephone: (703) 292-8339, email: <a href="mailto:lgoldber@nsf.gov">lgoldber@nsf.gov</a></li> </ul>

		<ul style="list-style-type: none"> <li>• Mohammad Ali, ENG/ECCS, telephone: (703) 292-8339, email: <a href="mailto:moali@nsf.gov">moali@nsf.gov</a></li> <li>• Albert Z. Wang, NG/ECCS, telephone: (703) 292-8339, email: <a href="mailto:awang@nsf.gov">awang@nsf.gov</a></li> <li>• Jonathan V. Williams, MPS/AST, telephone: (703) 292-2455, email: <a href="mailto:jonwilli@nsf.gov">jonwilli@nsf.gov</a></li> <li>• Bevin A. Zauderer, MPS/AST, telephone: (703) 292-2428, email: <a href="mailto:bezauder@nsf.gov">bezauder@nsf.gov</a></li> <li>• Lisa M. Winter, GEO/AGS, telephone: (703) 292-8519, email: <a href="mailto:lwinter@nsf.gov">lwinter@nsf.gov</a></li> </ul>
9	<b>FY2020 Funding Type and Amount</b>	\$12,000,000
10	<b>Additional Information</b>	<a href="https://www.nsf.gov/pubs/2020/nsf20537/nsf20537.htm?org=NSF">https://www.nsf.gov/pubs/2020/nsf20537/nsf20537.htm?org=NSF</a>