

CISE CORE PROGRAMS INFORMATION FOR 2009 SUBMISSIONS

I. NSF Information and Intelligent Systems (IIS): Solicitation # 09-557

CISE's Division of Information and Intelligent Systems (IIS) supports research and education projects that develop new knowledge in three core programs:

- The Human-Centered Computing program
- The Information Integration and Informatics program
- The Robust Intelligence program.

IIS is also responsible for managing the review process for proposals in computer graphics and visualization; these proposals may be submitted to any of the three core programs described above.

Program Officers:

- HCC – William Bainbridge & Ephraim Glinert
- III – Lawrence Brandt & Maria Zemankova
- RI – Douglas Fisher & Kenneth Whang

Awards Anticipated:

- 200 across the various sizes and programs

II. NSF Computer and Network Systems (CNS): Solicitation # 09-556

The Division of Computer and Network Systems (CNS) supports research and education activities that invent new computing and networking technologies and that explore new ways to make use of existing technologies. The Division seeks to develop a better understanding of the fundamental properties of computer and network systems and to create better abstractions and tools for designing, building, analyzing, and measuring future systems.

CNS supports two core programs:

- Computer Systems Research (CSR)
- Networking Technology and Systems (NeTS)

Program Officers:

- CSR – Krishna Kant
- NeTS – Alhussein Abouzeid

Awards Anticipated:

- 80 to 120 across the various sizes and programs

III. NSF Computing and Communication Foundations (CCF): Solicitation # 09-555

The Division of Computing and Communication Foundations (CCF) supports research and education projects that explore the foundations of computing and communication devices and their usage. The Division seeks advances in computing and communication theory, algorithms for computer and computational sciences, and architecture and design of computers and software. CCF-supported projects also investigate revolutionary computing models and technologies based on emerging scientific ideas and integrate research and education activities to prepare future generations of computer science and engineering workers.

CCF supports three core programs

- Algorithmic Foundations (AF)
- Communications and Information Foundations (CIF)
- Software and Hardware Foundations (SHF)

Program Officers:

- AF – Dmitry Maslov
- CIF – John Cozzens
- SHF – Sol Greenspan

Awards Anticipated:

- 120 to 160 across the various sizes and programs

IV. NSF CISE Cross-Cutting Programs: Deadlines starting August 30, 2009 (Posted 5/6/09)

This solicitation seeks proposals in cross-cutting areas that are scientifically timely, and that benefit from the intellectual contributions of researchers with expertise in a number of computing fields and/or sub-fields. The cross-cutting programs for FY 2010 are:

- Data-intensive Computing (DC)
- Network Science and Engineering (NetSE)
- Trustworthy Computing (TC)

The full descriptions of these programs can be found in the II. Program Description section of the solicitation.

CISE expects that over time, these cross-cutting programs will evolve or be absorbed into the core programs, and that new cross-cutting programs will be introduced.

Program Officers:

- DC – Jim French

- NetSE – Darleen Fisher
- TC – Karl Levitt

Awards Anticipated:

- 95 to 120 – up to 30 in DC, 30 in NetSE, and 60 in TC

V. FAQs for All the Above Solicitations

NSF Deadlines, Sizes, and Budgets:

- August 30, 2009 - Medium Projects- \$500,001 to \$1,200,000 total budget with durations up to four years
- November 28, 2009 - Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years
- December 17, 2009 - Small Projects - up to \$500,000 total budget with durations up to three years

Internal Deadlines:

- Medium Projects: Admin Shell material due August 21, 2009 & Final materials due by 5pm August 27, 2009 (note August 30th is a Sunday)
- Large Projects: Admin Shell material due November 13, 2009 & Final materials due by 8am November 24, 2009 (note Thanksgiving is the 26th)
- Small Projects: Admin Shell material due December 9, 2009 & Final materials due by 8am December 16, 2009

Budget Estimates by Size:

- Small Projects: typically one or two investigators (PI and one Co-PI/Senior Personnel) and at least one GSRA
- Medium Projects: typically one or more investigators (PI, Co-PI, and/or Senior Personnel) and two or more GSRA/Postdocs
- Large Projects: typically two or more investigators (PI, Co-PIs, and Senior Personnel) and a team of GSRA/Postdocs

For More Information:

More information on these programs and links to the full solicitation can be found on the School of Information Research and Innovation Office Wiki or contact us at <si-ori@umich.edu>.

https://webservices.its.umich.edu/mediawiki/SIResearchInnovationOffice/index.php/School_of_Information_Research_and_Innovation_Office

Go to the URL above and then click on “Current Funding Opportunities” in the navigation bar on the left side of the page.