

CISE Opportunities in Big Data

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- ***Information and Intelligent Systems:*** Research at the nexus of knowledge, intelligence and humans, NSF 15-574
- ***Information Integration and Informatics:*** data of scale, complexity and velocity for data mining and visualization; issues of data heterogeneity and complexity, disparate, uncoordinated sources; data and scales from mobile to cloud; scalability, interactivity, high scientific, technological and societal impact.
- ***Robust Intelligence:*** AI, Computer vision, NLP, robotics, computational neuroscience
- ***Cyber Human Systems:*** advancing dimensions of human capabilities and the coupled relationships of humans and computing systems



CISE: Other Funding Opportunities

- CISE Core solicitation opportunities (same deadlines as IIS)
 - CNS Computer and Network Systems: [Computer and Systems Research: Storage and Distributed Systems](#); [Network Technology and Systems: sensor networks and streaming data](#)
 - CCF Computing and Communications Foundations: [Communications and Information Foundations \(CIF\)](#): theoretical underpinnings and current and future enabling technologies for information acquisition, transmission, and processing in communication and information networks and [Software and Hardware Foundations \(SHF\)](#): Foundational research essential to advance the capability of computing systems, including software and hardware components, and systems for moving and analyzing data.
- Exploiting Parallelism and Scalability (XPS)
- Data Infrastructure Building Blocks (DIBBS)
- Algorithms in the Field (AitF)
- Expeditions-in-Computing
- US Ignite: Networking Research and Application Prototypes Leading to Smart & Connected Communities (Due June 14, 2016)
- Smart and Connected Health (October 10 and December 10 deadlines)

