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GENI Project Office at BBN Technol Announces \$11.5M in NSF Funding Academic and Industry Teams

Leading Academic and Industry Researchers to Create and Integrate Rapid Prototypes
 CAMBRIDGE, Mass.--(Business Wire)--
 BBN Technologies, an advanced technology solutions firm, announced today \$11.5M National Science Foundation grant for 33 academic/industrial research teams to accelerate prototyping of a suite of infrastructure for the GENI project with federation and shakedown experiments that will guide future system design. GENI is sponsored by the National Science Foundation to accelerate experimental research in network science and engineering.

GENI, a virtual laboratory at the frontier of network science and engineering for exploring future internets at scale, creates major opportunities to understand, innovate and transform global networks and their interaction society. Spiral development, with simultaneous development and testing, community feedback, debate, and engagement and guides subsequent development. Spiral I provided design insights for the evolving suite of experimental

"GENI is making significant progress," said Chip Elliott, GENI Project Director. "Now we are ready to begin an intensive campaign of research experiment which will enable us to refine and extend today's prototypes, with a particular focus on security, architecture, workflow tools, user interfaces, and test instrumentation."

Companies and institutions engaged in this effort include AT&T Battelle University; CA Labs (the research division of CA Inc.); Columbia University; ETRI-Korea; IBM; Indiana University Global Research NOC; Jeffrey Hunker Associates, LLC; KISTI-Korea; Radio Technology Systems, LLC; Rutgers University; Pierre et Marie Curie (UPMC), Paris; University of California, San Diego; University of Illinois, Chicago; and University of Tokyo.

The complete list of proposals funded in GENI Spiral 2 is as follows:

- * Ilia Baldine, The Renaissance Computing Institute (RENCI), and Jeff C Duke University
- * Matt Bishop, University of California, Davis
- * Prasad Calyam, The Ohio State University (Ohio Supercomputer Center/O
- * Justin Cappos, University of Washington
- * Rudra Dutta, North Carolina State University
- * Sonia Fahmy, Purdue University
- * Dave Farber, Consultant
- * Dirk Grunwald, University of Colorado, Boulder
- * Deniz Gurkan, University of Houston
- * Xiaoyan Hong, The University of Alabama
- * Ken Klingenstein, Internet2
- * Jiang Li, Howard University
- * Xiaolin (Andy) Li, Oklahoma State University
- * Jason Liu, Florida International University
- * Joe Mambretti, Northwestern University
- * Rick McGeer, HP Labs
- * Kara Nance, University of Alaska Fairbanks
- * Beth Plale, Indiana University School of Informatics
- * Seung-Jong Park, Louisiana State University
- * Sean Peisert and S. Felix Wu, University of California, Davis
- * Larry Peterson and Michael Freedman, Princeton University

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- * John Regehr and Robert Ricci, University of Utah
- * Stephen Schwab, SPARTA, dba Cobham Analytic Solutions
- * Karen Sollins, Massachusetts Institute of Technology
- * James Sterbenz, University of Kansas
- * Martin Swany, University of Delaware
- * Kuang-Ching Wang, Clemson University
- * Von Welch, University of Illinois, National Center for Supercomputing Applications (NCSA)
- * Jim Williams, Indiana University
- * Michael Zink, University of Massachusetts, Amherst

About GENI and the GENI Project Office

GENI, a virtual laboratory for exploring future internets at scale, creates major opportunities to understand, innovate, and transform global networks and their interactions with society. Dynamic and adaptive, GENI opens up new areas of research at the frontiers of network science and engineering, and increases the opportunity for significant socio-economic impact. GENI will:

- * support at-scale experimentation on shared, heterogeneous, highly instrumented infrastructure;
- * enable deep programmability throughout the network, promoting innovations in network science, security, technologies, services and applications; and
- * provide collaborative and exploratory environments for academia, industry and the public to catalyze groundbreaking discoveries and innovation.

The GENI Project Office provides system engineering and project management expertise to guide the planning and prototyping efforts of the Global Environment for Network Innovations (GENI). GPO systems engineers engage in system design, identify and track technical risks, capture and manage system requirements, provide oversight and support to GENI working groups, and monitor and coordinate prototyping subcontracts. The GPO leads periodic GENI Engineering Conferences for collaboration in the developer community and issues solicitations to fund prototype development that addresses technical risks. The GPO also performs project management, contracting, technical liaison, and meeting coordination in close coordination with the National Science Foundation. See www.geni.net for more information.

About BBN Technologies

BBN Technologies is a legendary R&D organization that leverages its substantial intellectual property portfolio to produce advanced, repeatable solutions such as the Boomerang shooter detection system. With expertise spanning information security, speech and language processing, networking, distributed systems, and sensing and control systems, BBN scientists and engineers have amassed a substantial collection of innovations and patented solutions. BBN now employs over 700 people in seven locations in the US: Cambridge, Massachusetts (headquarters); Arlington, Virginia; Columbia, Maryland; Middletown, Rhode Island; San Diego, California; St. Louis Park, Minnesota; and O'Fallon, Illinois. For more information, visit www.bbn.com.

BBN Technologies
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