



**CENTER FOR COMPUTATIONAL SCIENCES AND  
ADVANCED DISTRIBUTED SIMULATION**

<http://www.uhd.edu/ccsds>

A unit of the

**Advanced Distributed Simulation Research Consortium**

<http://www.adsrc.org>

of the U.S. Army Research Office

Additional Funding: National Science Foundation,

Computer and Information Science and Engineering Directorate

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University of Houston-Downtown  
University of Central Florida, Orlando, FL  
Lockheed Martin Advanced Distributed Simulation  
Division, Orlando, FL and Cambridge, MA  
Lockheed Martin Federal Systems Division at  
Manassas, VA and Rockville, MD  
STRICOM, Orlando, FL  
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**Florida-Texas Alliance (FLA-TEX)**

Florida A&M University, Tallahassee, FL  
Florida International University, Miami, FL  
Miami-Dade Public School System  
The Non-Violence Project, Miami, FL  
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University of Houston-Downtown  
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Aldine Independent School District  
Association of Departments of Computer and  
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Center for Research on Parallel Computation at  
Rice University (CRPC)  
Galena Park Independent School District  
Florida International University  
Houston Independent School District  
Houston Community College (HCC)  
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(VETL), NASA/JSC

**Grants**

U.S. Army Research Office (ARO) Advanced  
Distributed Simulation  
IBM Shared University Research Grant  
National Aeronautics and Space Administration  
(NASA) - PAC/MSET  
National Computational Science Alliance -  
Education, Outreach, & Training Grant  
National Science Foundation (NSF) Louis Stokes  
Alliance for Minority Participation (LSAMP)  
NSF Minority Institutions Infrastructure  
NSF Visiting Scientist Program  
NSF/CONACyT - Joint US/México Collaborative  
U.S. Office of Naval Research (ONR)

**Professor Ken Kennedy**  
Rice University, MS-41  
6100 Main Street  
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October 15, 2001

Dear Ken,

It is with great pleasure that I write this letter in support of your CGrADS proposal. The University of Houston-Downtown and the Center for Computational Science and Advanced Distributed Simulation (CCSDS) have a long and successful history of working together on numerous projects with tremendous impact, and I look forward to this additional opportunity for us to continue this collaboration. We wish to note that our CCSDS received much motivation and inspiration in its development and initiation from your Center for Research in Parallel Computation.

As you know, in 1995, institutions from the south-central United States met at the University of Houston-Downtown to form the South-Central Computational Science in Minority Institutions Consortium (SC-COSMIC). With support from the CRPC, SC-COSMIC members worked together to strengthen and reform K-16 math and science education and promote computational science education and research. SC-COSMIC members shared their unique resources and expertise in curricula reform, interactive learning, multimedia materials, remote databases, and supercomputing.

SC-COSMIC members included:

- The University of Houston-Downtown
- The University of Texas Pan American
- The University of Texas-El Paso
- Grambling State University
- Prairie View A & M University
- Southern University at New Orleans
- Houston Community College
- Aldine Independent School District

A culminating event of SC-COSMIC was the 1998 conference hosted by CRPC and the University of Houston-Downtown. During the SC-COSMIC conference, students, faculty, and others spoke on topics of interest to minorities in the computational sciences. Topics included (1) impact of anti-affirmative-action legislation, including the Hopwood decision; (2) the strengths and weaknesses of

minority and majority institutions; (3) easing transitions between minority situations (high school and undergraduate education) and majority situations (undergraduate education, graduate school, and the workplace); and (4) developing Masters and Ph.D. programs at minority institutions. Suggestions and solutions, documented in discussion groups that followed the talks, were developed and forwarded to government and academic officials. An intriguing aspect of this conference as with the other three SC-COSMIC conferences is the fact that it focused on student input for establishing the conference as well as organizing it.

We have begun discussions with Richard Tapia and Cynthia Lanius to jointly submit a proposal that would renew the SC-COSMIC coalition of schools, add additional partners such as the Houston Independent School District, University of Texas at San Antonio, University of Texas at Brownsville and Texas Southern University, and provide the necessary broad-scale, systematic network infrastructure to (1) support computer science education reform, (2) disseminate curricula advancing computer science reform, (3) disseminate interactive multimedia learning materials and advanced technologies to K-14 classrooms, and (4) provide services, technical assistance and connectivity among consortium institutions. If CGrADS is funded, we plan to pursue this initiative together.

Please let me know if there is anything else that I can do to support your CGrADS initiative. It has great potential to dramatically support computer science education at SC-COSMIC institutions, and I endorse this initiative with unqualified enthusiasm.

Thank you,



Richard A. Aló

Executive Director, CCSDS

Executive Director, Grants and Contracts, College of Science & Technology